



No. 21
24 MAY 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



NSN 7642015018969
NIMA REF.NO. NMXXX0321

IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
ET3(SS) Jimenez	USS PASADENA

Cover Photo: The **USS HUE CITY (CG-66)** the first United States Ship to bear this name and only ship named after a battle in the Vietnam War, is the twentieth in the **TICONDEROGA** class of Aegis guided missile cruisers and the fourteenth to be built by Ingalls Shipbuilding in Pascagoula, Mississippi. Her mission is to conduct prompt and sustained combat operations at sea in support of a carrier battle group or amphibious assault group. **HUE CITY** was designed to defend against coordinated saturation attacks involving enemy surface ships, submarines, aircraft and missiles. Additionally, **HUE CITY** is able to engage in offensive actions against the enemy through employment of long-range anti-ship missiles, land attack missiles and gunfire. Commissioned 14 September 1991, the **HUE CITY** has a displacement of 9600 tons fully loaded, is 567 feet long, has a beam of 55 feet and a draft of 34 feet. She carries a crew of 340 Sailors, 27 Chief Petty Officers and 33 Officers. The homeport of the **USS HUE CITY** is Mayport, Florida.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 21/03

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

24 May 2003

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. SEE SECTION III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

125	7Ed. 4/12/86	LAST NM 44/01	21/03 Delete R Bn (6/102)03 Cadiz)	36°12'N 6°02'W	Add (6/03 CG8)	Dangerous wreck [K28] (PA)	28°04.9'N 96°12.4'W
126	39Ed. 4/13/96	LAST NM 44/01	21/03 Delete R Bn (6/102)03 Cadiz)	36°12'N 6°02'W	11004 Add (6/03 CG8)	Dangerous wreck [K28] (PA)	28°04.9'N 96°12.4'W
301 (INT 301)	1Ed. 3/2/85	LAST NM 14/03	21/03 Delete R Bn at light (6/102)03 Cadiz)	36°11'N 6°00'W	11006 Change Legend to "15 CFR 922.164d (see note A)" 24°40.8'N 83°13.0'W Legend to "15 CFR 922.164d (see note A)" 24°24.2'N 83°18.2'W	30Ed. 4/20/02 LAST NM 19/03	21/03
310	20Ed. 12/29/79	LAST NM 14/03	21/03 Delete R Bn at light (6/102)03 Cadiz)	36°12'N 6°02'W	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" (NOS)	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°36.0'N 83°13.5'W	21/03
500 (INT 810)	7Ed. 6/1/96	LAST NM 5/02	21/03 Delete Superbuoy ODAS "46079" (15/03 CG17)	59°02.5'N 152°13.4'W	11013 Change Legend to "15 CFR 922.164d (see note A)" 24°41.2'N 83°15.0'W Legend to "15 CFR 922.164d (see note A)" 24°23.5'N 83°20.0'W	44Ed. 1/19/02 LAST NM 16/03	21/03
501 (INT 801)	12Ed. 11/02	LAST NM 18/03	21/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-501) (14/03 CG11)	34°53'N 120°52'W	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" (NOS)	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°37.8'N 83°16.0'W	21/03
530	30Ed. 3/23/02	LAST NM 18/03	21/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-530) (14/03 CG11)	34°53'N 120°52'W	★11300 Delete Buoy Note: Obstn (Fish haven) remains (See 40/02-11300)	38Ed. 4/6/02 LAST NM 20/03	21/03
531	21Ed. 2/2/02	LAST NM 52/02	21/03 Delete Superbuoy ODAS "46079" (15/03 CG17)	59°02.5'N 152°13.4'W	Add (6/03 CG8)	28°10.7'N 94°02.0'W	28°04.9'N 96°12.4'W
1113A	Ed. 3/03	LAST NM 20/03	21/03 Change Legend to "15 CFR 922.164d (see note A)" 24°42.9'N 83°03.0'W Legend to "15 CFR 922.164d (see note A)" 24°22.5'N 83°13.5'W	11314 Delete (Side A) Light "1" Light "2" (NTM0002/2003)	22Ed. 3/03 LAST NM 17/03	21/03	
			Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" (NOS)	27°50'32.0"N 97°04'56.0"W 27°50'32.0"N 97°04'54.2"W	27°50'32.0"N 97°04'54.2"W	21/03	
1116A	Ed. 11/02	LAST NM 19/03	21/03 Delete Submerged wells (2), buoys and legend "Wells (cov 12fms)" in vicinity	28°54.5'N 92°08.0'W	11317 Change Range light, rear to Iso 6s 76ft, Fl 4s 21ft 4M (7/03 CG8)	29Ed. 2/16/02 LAST NM 20/03	21/03
			Buoy Note: Obstn (Fish haven) remains	28°04.0'N 93°28.6'W	28°27'34"N 96°21'46"W	21/03	
			Buoy Note: Obstn (Fish haven) remains	28°05.9'N 93°28.7'W			
			Buoy Note: Obstn (Fish haven) remains	28°08.3'N 93°33.7'W			
			Buoy Note: Obstn (Fish haven) remains	28°11.4'N 93°35.1'W			
			Buoy Note: Obstn (Fish haven) remains	28°26.3'N 93°43.0'W			
			Buoy Note: Obstn (Fish haven) remains	28°14.6'N 93°52.7'W			
			Buoy Note: Obstn (Fish haven) remains	28°10.7'N 94°01.9'W			
			Add (6/03 CG8)	Chartlet, depicting changes in hydrography, aids to navigation, and vessel routing from Subsection I-2	29°22'00.0"N 94°48'00.0"W	21/03	
1117A	Ed. 4/6/02	LAST NM 20/03	21/03 Delete Buoy Note: Obstn (Fish haven) remains (See 40/02-1117A)	28°10.7'N 94°02.0'W	11326 Relocate (Page A) Light "3" from 29°36'47"N 94°57'32"W to 29°36'46"N 94°57'33"W	31Ed. 10/02 LAST NM 20/03	21/03

SECTION I

11326 (Continued) (Page A, Inset 1)		Add Position circle "Pile" [F22] (PA) 28°53.1'N 90°28.6'W Dangerous wreck [K28] (PA) 29°38.2'N 93°22.7'W (6/03 CG8)
Change Height of light "113" to 17ft 29°43'29.3"N 95°01'27.0"W		
(Page C)		
Change Note to		
	"NOTE K"	
	The U.S. Coast Guard has established an alternate route for vessels transiting between the Intracoastal Waterway and the Houston Ship Channel. The alternate route, shown in green tint, is marked with aids to navigation from Bolivar Peninsula Buoy 20 to Houston Ship Channel Light 28. This route is intended to be one-way for vessels proceeding northbound from the Intracoastal Waterway to the Houston Ship Channel. The alternate route is not regularly maintained and has no associated project depth. Mariners should proceed with caution. Southbound traffic is requested to proceed south to Houston Ship Channel Buoy 26, then east to Bolivar Point.	
	Houston Traffic requests that all vessels proceeding northbound in the alternate route conduct a securite broadcast of their intentions prior to entering into the Houston Ship Channel."	29°20'12"N 94°56'26"W (See 7/03-11326)
Add Chartlet, depicting changes in hydrography, aids to navigation, and vessel routing from Subsection I-2 (NOS; 6, 7/03 CG8)	29°20'00"N 94°50'00"W	
★11328 22Ed. 6/2/01 LAST NM 20/03 Change Height of light "113" to 17ft 29°43'29.3"N 95°01'27.0"W (See 36/02-11328) (7/03 CG8)	21/03	
11329 34Ed. 1/12/02 LAST NM 16/03 Change Height of light "113" to 17ft 29°43'29.3"N 95°01'27.0"W (See 36/02-11329) (7/03 CG8)	21/03	
★11330 14Ed. 11/02 LAST NM 20/03 Delete Buoy 28°08.2'N 93°33.9'W Note: Obstn (Fish haven) remains	21/03	
Buoy 28°11.3'N 93°35.2'W Note: Obstn (Fish haven) remains		
Buoy 28°26.4'N 93°43.0'W Note: Obstn (Fish haven) remains		
Buoy 28°14.5'N 93°52.7'W Note: Obstn (Fish haven) remains		
Buoy 28°10.7'N 94°02.0'W Note: Obstn (Fish haven) remains		
Add Dangerous wreck [K28] (PA) 29°38.2'N 93°22.7'W (6/03 CG8)		
★11340 67Ed. 11/02 LAST NM 19/03 Delete Submerged wells (2), buoys and legend "Wells (cov 12fms)" in vicinity 28°54.5'N 92°08.0'W	21/03	
Buoy 28°04.0'N 93°28.6'W Note: Obstn (Fish haven) remains		
Buoy 28°05.9'N 93°28.7'W Note: Obstn (Fish haven) remains		
Buoy 28°08.3'N 93°33.7'W Note: Obstn (Fish haven) remains		
Buoy 28°11.4'N 93°35.1'W Note: Obstn (Fish haven) remains		
Buoy 28°26.3'N 93°43.0'W Note: Obstn (Fish haven) remains		
Buoy 28°14.6'N 93°52.7'W Note: Obstn (Fish haven) remains		
Buoy 28°10.7'N 94°01.9'W Note: Obstn (Fish haven) remains		
★11341 39Ed. 2/03 LAST NM 17/03 Add Dangerous wreck [K28] (PA) 29°38'10"N 93°22'41"W (6/03 CG8)	21/03	
★11342 51Ed. 9/30/00 LAST NM 20/03 Relocate Light "37" from 29°44'01.2"N 93°52'26.3"W to 29°44'00.0"N 93°52'22.4"W (6/03 CG8)	21/03	
11347 33Ed. 7/02 LAST NM 20/03 (Side A) Add Dangerous wreck [K28] (PA) 29°38'09.6"N 93°22'41.0"W (6/03 CG8)	21/03	
★11353 2Ed. 3/16/02 LAST NM 20/03 Change Height of light "25" to 17ft 29°31'18.2"N 89°10'00.5"W (6/03 CG8)	21/03	
★11357 35Ed. 6/02 LAST NM 19/03 Delete Platform 28°50'37"N 90°45'24"W Platform 28°50'14"N 90°46'08"W Add Position circle "Pile" [F22] (PA) 28°53'04"N 90°28'34"W (6/03 CG8)	21/03	
★11358 51Ed. 3/30/02 LAST NM 7/03 Delete Submerged well (cov 81ft) and buoy 28°58'16"N 89°57'17"W Submerged well (cov 81ft) and buoy 28°58'09"N 89°57'31"W Note: Well close W remains	21/03	
Add Platform [L10] 29°12'24"N 89°52'30"W (6/03 CG8)		
★11361 70Ed. 4/03 NEW EDITION (Inset Head of Passes) Relocate Range light, front from 29°07'56.2"N 89°15'24.5"W to 29°07'54.8"N 89°15'24.2"W (NOS; 6/03 CG8)	21/03	
11363 38Ed. 3/30/02 LAST NM 20/03 Change Height of light "25" to 17ft 29°31'18"N 89°10'01"W (6/03 CG8)	21/03	
★11364 39Ed. 11/02 LAST NM 19/03 Relocate Light "1" from 29°57'29"N 90°01'43"W to 29°57'31"N 90°01'48"W Change Height of light "130" to 20ft 30°00'10"N 89°57'18"W Height of light "103" to 17ft 29°51'53"N 89°42'30"W Height of light "102" to 17ft 29°51'31"N 89°40'48"W Height of light "104" to 17ft and add visibility (range) 3M 29°52'00"N 89°42'30"W (6/03 CG8)	21/03	
11366 7Ed. 9/02 LAST NM 19/03 Delete Superbuoy ODAS "42OTP" 30°04.4'N 88°45.0'W (6/03 CG8)	21/03	
11367 31Ed. 5/26/01 LAST NM 19/03 (Side B) Relocate Light "1" from 29°57'28.7"N 90°01'43.0"W to 29°57'30.7"N 90°01'48.3"W Change Height of light "130" to 20ft 30°00'10.4"N 89°57'18.6"W (6/03 CG8)	21/03	
★11368 22Ed. 7/02 LAST NM 19/03 Relocate Light "1" from 29°57'28.2"N 90°01'42.8"W to 29°57'30.7"N 90°01'48.3"W (6/03 CG8)	21/03	

SECTION II

NM 21/03

11369	44Ed.	12/02	LAST NM	19/03	21/03	Legend to "15 CFR 922.164d (see note 5)" in vicinity 24°25.0'N 83°06.8'W
	Change	Height of light "130" to 20ft (6/03 CG8)		30°00'10"N 89°57'18"W		
★11370	23Ed.	9/22/01	LAST NM	9/03	21/03	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note 5)" in vicinity 24°37.2'N 83°03.0'W (See N8/03-11423)
	Relocate	Light "114A" from 29°58'26.2"N 90°15'56.3"W to (6/03 CG8)		29°58'30.7"N 90°16'00.3"W		
★11373	42Ed.	6/02	LAST NM	20/03	21/03	Legend to "15 CFR 922.164d (see note A)" 24°42.9'N 83°02.4'W
	Delete	Superbuoy ODAS "42OTP" (6/03 CG8)		30°04'24"N 88°44'57"W		Legend to "15 CFR 922.164d (see note A)" 24°25.0'N 83°05.5'W
11376	48Ed.	12/1/01	LAST NM	20/03	21/03	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°35.5'N 83°02.5'W (NOS)
	Change	Range light, front to Fl 2.5s 22ft (Day), Fl 2.5s 20ft (Night), Fl 2.5s 24ft 5M		30°14'06"N 88°02'29"W		
		Range light, rear to Oc R 4s 67ft, Fl 4s 12ft 5M		30°24'41"N 88°00'34"W		
		Characteristic of light to Fl R 2.5s	30°46'16"N 88°01'23"W			
		Characteristic of light to Fl R 2.5s	30°47'06"N 88°00'41"W			
		(Inset)				
	Change	Characteristic of light to Fl R 2.5s	30°46'16.0"N 88°01'22.7"W			
		(6, 7/03 CG8)				
★11377	4Ed.	4/6/02	LAST NM	20/03	21/03	Legend to "15 CFR 922.164d (see note A)" 24°43'39"N 82°49'07"W
	Change	Range light, front to Fl 2.5s 22ft (Day), Fl 2.5s 20ft (Night), Fl 2.5s 24ft 5M		30°14'08.2"N 88°02'29.2"W		Legend to "15 CFR 922.164d (see note A)" 24°43'34"N 82°57'00"W
		Range light, rear to Oc R 4s 67ft, Fl 4s 12ft 5M	30°24'41.7"N 88°00'35.8"W			Legend to "15 CFR 922.164d (see note A)" 24°39'28"N 82°58'25"W
		(See 26/02-11377)				
		(7/03 CG8)				
11378	32Ed.	1/03	LAST NM	20/03	21/03	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°38'37"N 83°00'28"W
		(Side B)				Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°34'45"N 83°00'18"W (See 8/03-11438)
	Change	Range light, front to Fl 2.5s 22ft (Day), Fl 2.5s 20ft (Night), Fl 2.5s 24ft 5M	30°14'08.9"N 88°02'30.0"W			
		(Side B, Continuation)				
	Change	Range light, front to Fl 2.5s 22ft (Day), Fl 2.5s 20ft (Night), Fl 2.5s 24ft 5M	30°14'08.9"N 88°02'30.0"W			
		(7/03 CG8)				
11390	22Ed.	3/30/02	LAST NM	7/03	21/03	Legend to "Obstn Fish Haven" [K46.1] 26°11.2'N 80°05.6'W (NOS)
		(Side A)				
	Change	Height of range light, front to 20ft	30°10'12.0"N 85°45'21.0"W			
		(6/03 CG8)				
11391	22Ed.	5/5/01	LAST NM	7/03	21/03	Legend to "Obstn Fish Haven" [K46.1] 26°11'14"N 80°05'37"W (NOS; 45/02 CG7)
	Change	Height of light to 20ft (6/03 CG8)	30°10'12.0"N 85°45'20.8"W			
★11392	6Ed.	2/12/00	LAST NM	34/02	21/03	Legend to "Obstn Fish Haven" [K46.1] 26°11'14"N 80°05'37"W (NOS)
	Change	Height of range light, front to 20ft	30°10'12.0"N 85°45'21.0"W			
		(6/03 CG8)				
11420	27Ed.	3/03	LAST NM	20/03	21/03	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°38.0'N 83°11.2W (NOS)
	Change	Legend to "15 CFR 922.164d (see note A)" 24°42.9'N 83°03.0'W				
		Legend to "15 CFR 922.164d (see note A)" 24°22.5'N 83°13.5'W				
		Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°38.0'N 83°11.2W				
11423	7Ed.	8/10/96	LAST NM	N15/03	N21/03	Legend to "15 CFR 922.164d (see note 5)" in vicinity 24°40.2'N 83°01.0'W (NOS)
	Change	Legend to "15 CFR 922.164d (see note 5)" in vicinity (NOS)				
★11434	24Ed.	3/16/02	LAST NM	15/03	21/03	Legend to "15 CFR 922.164d (see note A)" 24°42.9'N 83°02.4'W
	Change	Legend to "15 CFR 922.164d (see note A)" 24°25.0'N 83°05.5'W				
		Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°35.5'N 83°02.5'W				
11435	13Ed.	9/27/97	LAST NM	N15/03	N21/03	Legend to "15 CFR 922.164d (see note 5)" in vicinity 24°42.5'N 83°01.7'W
	Change	Legend to "15 CFR 922.164d (see note 5)" in vicinity 24°25.0'N 83°05.2'W				
		Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note 5)" in vicinity 24°36.5'N 83°01.9'W (See N8/03-11435)				
★11438	11Ed.	12/13/97	LAST NM	8/03	21/03	Legend to "15 CFR 922.164d (see note A)" 24°43'39"N 82°49'07"W
	Change	Legend to "15 CFR 922.164d (see note A)" 24°43'34"N 82°57'00"W				
		Legend to "15 CFR 922.164d (see note A)" 24°39'28"N 82°58'25"W				
		(NOS)				
11460	38Ed.	6/02	LAST NM	15/03	21/03	Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°38'37"N 83°00'28"W
	Add	Danger circle "Obstn Fish Haven" [K46.1] centered				Legend to "RESTRICTED ANCH 15 CFR 922.164g (see note A)" 24°34'45"N 83°00'18"W (See 8/03-11438)
		(NOS)				
★11466	35Ed.	6/3/00	LAST NM	12/03	21/03	Legend to "Obstn Fish Haven" [K46.1] centered
	Add	Danger circle "Obstn Fish Haven" [K46.1] centered				26°11'14"N 80°05'37"W
		(NOS)				
		(Inset)				
	Relocate	Light "5" from 26°46'18.5"N 80°02'11.6"W to 26°46'18.3"N 80°02'10.3"W				
		(NOS; 45/02 CG7)				
11467	37Ed.	9/02	LAST NM	12/03	21/03	Legend to "Obstn Fish Haven" [K46.1] centered
		(Side A)				26°11'14"N 80°05'37"W
	Add	Danger circle "Obstn Fish Haven" [K46.1] centered				
		(NOS)				
11469	5Ed.	5/19/01	LAST NM	12/03	21/03	Legend to "Obstn Fish Haven" [K46.1] centered
	Add	Danger circle "Obstn Fish Haven" [K46.1] centered				26°11'14"N 80°05'37"W
		(NOS)				
★11537	34Ed.	4/03	NEW EDITION		21/03	Legend to "15 CFR 922.164d (see note 5)" in vicinity 24°10'26"N 77°57'34"W
	Delete	Light "59"				34°11'37"N 77°57'27"W
		Light "61"				
	Add	Buoy "59" G, Fl G 4s				34°10'17"N 77°57'35"W
		Buoy "61" G, Fl G 4s				34°11'49"N 77°57'27"W
		(NOS; 43/02 CG5)				
★12304	43Ed.	3/03	NEW EDITION		21/03	Legend to "GONG from buoy "5"" in vicinity 38°46'38"N 75°03'34"W
	Delete	GONG from buoy "5" (Previously published 19/03)				
		(NOS)				

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★12338	9Ed. 3/03	NEW EDITION (NOS)	21/03	P 13006	30Ed. 7/02 LAST NM 18/03	21/03
★12341	25Ed. 3/30/02	LAST NM 22/02	21/03	Delete	Traffic separation scheme, directional arrows (6) and associated legend bound by limit joining	
	Substitute	Light Fl 3s 40ft (Priv) for position circle "TOWER...LH")	40°51'00.8"N 73°56'49.1"W (16/03 CG1)		44°50.0'N 66°19.4'W 44°50.0'N 66°09.5'W 44°09.4'N 66°42.2'W 44°17.5'N 66°55.5'W	
12343	18Ed. 6/02	LAST NM 7/03	21/03	Add	Purple tint area (traffic separation zone) [M13] bound by limit joining	
	Substitute	Light Fl 3s 40ft (Priv) for position circle "TOWER...LH")	40°51'01"N 73°56'49"W (16/03 CG1)		44°46.4'N 66°14.4'W 44°31.9'N 66°19.6'W 44°15.0'N 66°52.7'W 44°11.8'N 66°49.6'W 44°30.7'N 66°17.2'W 44°45.9'N 66°11.7'W	
12345	10Ed. 9/02	LAST NM 42/02	21/03		Purple tint area (traffic separation zone) [M13] bound by limit joining	
	Substitute	Light Fl 3s 40ft (Priv) for position circle "TOWER...LH")	40°51'00.8"N 73°56'49.1"W (16/03 CG1)		44°48.3'N 66°13.7'W 44°47.3'N 66°14.0'W 44°46.9'N 66°11.3'W 44°47.9'N 66°11.0'W	
P 13000	Ed. 12/14/84	LAST NM N49/02	N21/03		Purple tint area (traffic separation zone) [M13] bound by limit joining	
Delete	Traffic separation scheme and directional arrows (4) bound by limit joining	45°03.7'N 66°12.3'W 45°01.7'N 66°04.3'W 44°09.6'N 66°47.0'W 44°17.3'N 66°55.1'W			44°50.0'N 66°13.0'W 44°49.3'N 66°13.3'W 44°48.8'N 66°10.6'W 44°50.0'N 66°10.4'W	
Add	Purple tint area (traffic separation zone) [M13] bound by limit joining	44°46.4'N 66°14.4'W 44°31.9'N 66°19.6'W 44°15.0'N 66°52.7'W 44°11.8'N 66°49.6'W 44°30.7'N 66°17.2'W 44°45.9'N 66°11.7'W			Note: Traffic separation scheme extends beyond chart border	
	Purple tint area (traffic separation zone) [M13] bound by limit joining	44°48.3'N 66°13.7'W 44°47.3'N 66°14.0'W 44°46.9'N 66°11.3'W 44°47.9'N 66°11.0'W			Purple tint area (traffic separation zone) [M13] bound by limit joining	
	Purple tint area (traffic separation zone) [M13] bound by limit joining	45°02.5'N 66°08.3'W 44°49.3'N 66°13.3'W 44°48.8'N 66°10.6'W 45°02.0'N 66°05.6'W			44°48.6'N 66°20.7'W 44°47.9'N 66°16.7'W 44°48.9'N 66°16.4'W 44°49.6'N 66°20.4'W	
	Purple tint area (traffic separation zone) [M13] bound by limit joining	44°48.6'N 66°20.7'W 44°47.9'N 66°16.7'W 44°48.9'N 66°16.4'W 44°49.6'N 66°20.4'W			Purple heavy dashed line (outside limit of traffic lane) [M15] joining	
	Purple heavy dashed line (outside limit of traffic lane) [M15] joining	44°09.5'N 66°47.1'W 44°29.6'N 66°14.8'W 45°01.5'N 66°02.8'W			44°09.5'N 66°47.1'W 44°29.6'N 66°14.8'W 44°50.0'N 66°07.4'W	
	Purple heavy dashed line (outside limit of traffic lane) [M15] joining	44°17.4'N 66°55.2'W 44°33.0'N 66°22.0'W 44°46.9'N 66°17.0'W 44°47.7'N 66°21.1'W			Purple heavy dashed line (outside limit of traffic lane) [M15] joining	
	Purple heavy dashed line (outside limit of traffic lane) [M15] joining	44°50.6'N 66°20.1'W 44°49.8'N 66°16.0'W 45°03.0'N 66°11.0'W			44°17.4'N 66°55.2'W 44°33.0'N 66°22.0'W 44°46.9'N 66°17.0'W 44°47.7'N 66°21.1'W	
	Open-outlined arrow indicating flow of traffic [M10] oriented 231°	44°20.8'N 66°44.2'W			Open-outlined arrow indicating flow of traffic [M10] oriented 231°	
	Open-outlined arrow indicating flow of traffic [M10] oriented 051°	44°15.8'N 66°39.7'W			44°16.8'N 66°35.7'W	
	Open-outlined arrow indicating flow of traffic [M10] oriented 195°	44°36.2'N 66°18.8'W			Open-outlined arrow indicating flow of traffic [M10] oriented 195°	
	Open-outlined arrow indicating flow of traffic [M10] oriented 015°	44°35.0'N 66°14.5'W			44°41.0'N 66°18.5'W	
	Open-outlined arrow indicating flow of traffic [M10] oriented 195°	44°53.0'N 66°13.2'W			Open-outlined arrow indicating flow of traffic [M10] oriented 015°	
	Open-outlined arrow indicating flow of traffic [M10] oriented 015°	44°53.0'N 66°07.4'W			44°34.7'N 66°14.5'W	
	Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003				Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003	
	(NTM0002/2003)				(NTM0002/2003)	
P 13260	38Ed. 4/27/02	LAST NM 18/03	21/03			
Delete	Traffic separation scheme, directional arrows (8) and associated legend bound by limit joining	44°50.0'N 66°19.4'W 44°50.0'N 66°09.5'W 44°09.4'N 66°42.2'W 44°17.5'N 66°55.5'W				
Add	Purple tint area (traffic separation zone) [M13] bound by limit joining	44°46.4'N 66°14.4'W 44°31.9'N 66°19.6'W 44°15.0'N 66°52.7'W 44°11.8'N 66°49.6'W 44°30.7'N 66°17.2'W 44°45.9'N 66°11.7'W				
	Purple tint area (traffic separation zone) [M13] bound by limit joining	44°48.3'N 66°13.7'W 44°47.3'N 66°14.0'W 44°46.9'N 66°11.3'W 44°47.9'N 66°11.0'W				

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P 13260 (Continued)

Purple tint area (traffic separation zone) [M13]
bound by limit joining
44°50.0'N 66°13.0'W
44°49.3'N 66°13.3'W
44°48.8'N 66°10.6'W
44°50.0'N 66°10.4'W

Note: Traffic separation scheme extends beyond chart border

Purple tint area (traffic separation zone) [M13]
bound by limit joining
44°48.6'N 66°20.7'W
44°47.9'N 66°16.7'W
44°48.9'N 66°16.4'W
44°49.6'N 66°20.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
44°09.5'N 66°47.1'W
44°29.6'N 66°14.8'W
44°50.0'N 66°07.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
44°17.4'N 66°55.2'W
44°33.0'N 66°22.0'W
44°46.9'N 66°17.0'W
44°47.7'N 66°21.1'W

Open-outlined arrow indicating flow of traffic [M10] oriented 231°
44°23.5'N 66°40.5'W

Open-outlined arrow indicating flow of traffic [M10] oriented 051°
44°17.5'N 66°37.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 195°
44°39.5'N 66°13.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 015°
44°41.6'N 66°13.0'W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003

(NTM0002/2003)

P 13263 7Ed. 4/24/99 LAST NM N18/03

N21/03

Delete Traffic separation scheme, directional arrows (4) and associated legend bound by limit joining

44°50.0'N 66°19.4'W
44°50.0'N 66°09.5'W
44°09.4'N 66°42.2'W
44°17.5'N 66°55.5'W

Add Purple tint area (traffic separation zone) [M13]
bound by limit joining

44°46.4'N 66°14.4'W
44°31.9'N 66°19.6'W
44°15.0'N 66°52.7'W
44°11.8'N 66°49.6'W
44°30.7'N 66°17.2'W
44°45.9'N 66°11.7'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
44°48.3'N 66°13.7'W
44°47.3'N 66°14.0'W
44°46.9'N 66°11.3'W
44°47.9'N 66°11.0'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
44°50.0'N 66°13.0'W
44°49.3'N 66°13.3'W
44°48.8'N 66°10.6'W
44°50.0'N 66°10.4'W

Note: Traffic separation scheme extends beyond chart border

Purple tint area (traffic separation zone) [M13]
bound by limit joining
44°48.6'N 66°20.7'W
44°47.9'N 66°16.7'W
44°48.9'N 66°16.4'W
44°49.6'N 66°20.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
44°09.5'N 66°47.1'W
44°29.6'N 66°14.8'W
44°50.0'N 66°07.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
44°17.4'N 66°55.2'W
44°33.0'N 66°22.0'W
44°46.9'N 66°17.0'W
44°47.7'N 66°21.1'W

Open-outlined arrow indicating flow of traffic [M10] oriented 231°
44°23.5'N 66°40.4'W

Open-outlined arrow indicating flow of traffic [M10] oriented 051°
44°16.8'N 66°35.7'W
Open-outlined arrow indicating flow of traffic [M10] oriented 195°
44°41.0'N 66°18.5'W
Open-outlined arrow indicating flow of traffic [M10] oriented 015°
44°34.7'N 66°14.5'W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003

(NTM0002/2003)

★P 13264 103Ed. 1/7/95 LAST NM 9/03

21/03

Delete Traffic separation scheme, directional arrows (6) and radio reporting points (10) bound by limit joining

45°03.7'N 66°12.3'W
45°01.7'N 66°04.3'W
44°09.6'N 66°47.0'W
44°17.3'N 66°55.1'W

Purple line joining

45°07.1'N 66°20.8'W
45°03.7'N 66°12.3'W
45°01.7'N 66°04.3'W

Purple line between

45°03.7'N 66°12.3'W
45°08.0'N 65°50.9'W

Purple line between

45°03.7'N 66°12.3'W
44°39.9'N 65°50.0'W

Add

Purple tint area (traffic separation zone) [M13]
bound by limit joining

44°46.4'N 66°14.4'W
44°31.9'N 66°19.6'W
44°15.0'N 66°52.7'W
44°11.8'N 66°49.6'W
44°30.7'N 66°17.2'W
44°45.9'N 66°11.7'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining

44°48.3'N 66°13.7'W
44°47.3'N 66°14.0'W
44°46.9'N 66°11.3'W
44°47.9'N 66°11.0'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining

45°02.5'N 66°08.3'W
44°49.3'N 66°13.3'W
44°48.8'N 66°10.6'W
45°02.0'N 66°05.6'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining

44°48.6'N 66°20.7'W
44°47.9'N 66°16.7'W
44°48.9'N 66°16.4'W
44°49.6'N 66°20.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining

44°09.5'N 66°47.1'W
44°29.6'N 66°14.8'W
45°01.5'N 66°02.8'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining

44°17.4'N 66°55.2'W
44°33.0'N 66°22.0'W
44°46.9'N 66°17.0'W
44°47.7'N 66°21.1'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining

44°50.6'N 66°20.1'W
44°49.8'N 66°16.0'W
45°03.0'N 66°11.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 231°
44°20.8'N 66°44.2'W

Open-outlined arrow indicating flow of traffic [M10] oriented 051°
44°15.8'N 66°39.7'W

Open-outlined arrow indicating flow of traffic [M10] oriented 195°
44°36.2'N 66°18.8'W

Open-outlined arrow indicating flow of traffic [M10] oriented 015°
44°35.0'N 66°14.5'W

Open-outlined arrow indicating flow of traffic [M10] oriented 195°
44°53.0'N 66°13.2'W

Open-outlined arrow indicating flow of traffic [M10] oriented 015°
44°53.0'N 66°07.4'W

Radio reporting point symbol [M40] "1B" with direction pointer 231°
44°16.2'N 66°53.9'W

(continued on next page)

P 13264 (Continued)

Radio reporting point symbol [M40] "2B" with direction pointer 231° 44°23.3'N 66°39.5'W
 Radio reporting point symbol [M40] "1A" with direction pointer 051° 44°10.7'N 66°48.3'W
 Radio reporting point symbol [M40] "2A" with direction pointer 051° 44°19.2'N 66°34.2'W
 Radio reporting point symbol [M40] "3A" with direction pointer 051° 44°30.2'N 66°15.9'W
 Radio reporting point symbol [M40] "3B" with direction pointer 195° 44°32.4'N 66°20.8'W
 Radio reporting point symbol [M40] "4B" with direction pointer 195° 44°50.3'N 66°14.3'W
 Radio reporting point symbol [M40] "5B" with direction pointer 195° 45°02.8'N 66°09.6'W
 Radio reporting point symbol [M40] "4A" with direction pointer 015° 44°38.9'N 66°12.7'W
 Radio reporting point symbol [M40] "5A" with direction pointer 015° 45°01.8'N 66°04.1'W

Purple line (radio reporting line) joining 45°03.0'N 66°11.0'W
 45°03.6'N 66°12.4'W
 45°07.1'N 66°20.8'W

Purple line (radio reporting line) between 45°01.5'N 66°02.8'W
 45°08.0'N 65°50.9'W

Purple line (radio reporting line) between 45°01.5'N 66°02.8'W
 44°39.9'N 65°50.0'W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003

(NTM0002/2003)

★13282 11Ed. 4/03 NEW EDITION 21/03
 (NOS)

★13318 18Ed. 8/02 LAST NM 6/03 21/03
 Relocate Buoy "9" from 44°24'28"N 68°08'02"W to 44°24'30"N 68°07'58"W
 (16/03 CG1)

13394 3Ed. 7/02 LAST NM 9/03 21/03
 Relocate Buoy "6" from 44°51'04"N 66°58'19"W to 44°51'03"N 66°58'23"W
 (16/03 CG1)

★13396 4Ed. 12/8/01 LAST NM 19/03 21/03
 Relocate Buoy "6" from 44°51'02.6"N 66°58'22.1"W to 44°51'02.5"N 66°58'22.9"W
 (16/03 CG1)

P 14043 7Ed. 12/24/94 LAST NM 17/01 21/03
 Delete Traffic separation scheme, directional arrows (2) and radio reporting points (2) bound by limit joining 45°03'36"N 66°12'21"W
 45°01'36"N 66°04'17"W
 44°57'48"N 66°06'01"W
 44°57'48"N 66°15'21"W

Purple line joining 45°07'06"N 66°20'48"W
 45°03'49"N 66°12'18"W
 45°01'49"N 66°04'18"W

Purple line and radio reporting point between 45°03'49"N 66°12'18"W
 45°06'36"N 65°53'58"W

Purple line and radio reporting point between 45°03'49"N 66°12'18"W
 44°57'48"N 66°01'49"W

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 45°02'30"N 66°08'15"W
 45°02'00"N 66°05'36"W
 44°57'48"N 66°07'09"W
 44°57'48"N 66°10'01"W

Note: Traffic separation scheme extends beyond chart border

Purple heavy dashed line (outside limit of traffic lane) [M15] between 44°57'48"N 66°04'12"W
 45°01'30"N 66°02'48"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 44°57'48"N 66°12'58"W
 45°03'00"N 66°11'00"W

Radio reporting point symbol [M40] "5A" with direction pointer 015° 45°01'48"N 66°04'06"W
 Radio reporting point symbol [M40] "5B" with direction pointer 195° 45°02'48"N 66°09'36"W
 Radio reporting point symbol [M40] "5S" with direction pointer 015° 45°03'39"N 65°59'00"W
 Radio reporting point symbol [M40] "6M" with direction pointer 195° 44°59'48"N 66°01'48"W

Purple line (radio reporting line) joining 45°03'00"N 66°10'58"W
 45°03'36"N 66°12'22"W
 45°07'07"N 66°20'51"W

Purple line (radio reporting line) between 45°01'30"N 66°02'46"W
 45°08'02"N 65°50'57"W

Purple line (radio reporting line) between 45°01'30"N 66°02'46"W
 44°39'57"N 65°49'57"W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 July 2003

(NTM0002/2003)

★14848 56Ed. 11/10/01 LAST NM 17/03 21/03
 (Left Panel)
 Relocate Buoy from 42°21'02"N 82°56'40"W to 42°21'02"N 82°56'44"W
 (5/03 CG9)

14850 51Ed. 2/23/02 LAST NM 7/03 21/03
 Add Tabulation of controlling depths from Subsection I-2
 (NOS)

★14852 45Ed. 2/03 LAST NM 19/03 21/03
 Add Tabulation of controlling depths from Subsection I-2
 (NOS)

14853 13Ed. 12/1/01 LAST NM 17/03 21/03
 (Page 13)
 Relocate Buoy from 42°21'02.1"N 82°56'40.1"W to 42°21'02.1"N 82°56'43.6"W

(Page 14)
 Relocate Buoy from 42°21'02.1"N 82°56'40.1"W to 42°21'02.1"N 82°56'43.6"W
(Page 37)
 Add Tabulation of controlling depths from Subsection I-2
 (NOS; 5/03 CG9)

14912 16Ed. 8/21/93 LAST NM 46/01 21/03
 Relocate Superbuoy ODAS "45002" from 45°19'42"N 86°25'03"W to 45°19'43"N 86°25'00"W
 (NTM0002/2003)

★14966 25Ed. 2/03 LAST NM 14/03 21/03
 Add Legend "VAR 0° 15'E (2003), ANNUAL
 DECREASE 7" 46°55'00"N 92°03'00"W
 Legend "VAR 1° 00'W (2003), ANNUAL
 INCREASE 7" 47°10'01"N 91°00'03"W
 Legend "VAR 0° 45'W (2003), ANNUAL
 INCREASE 7" 46°45'02"N 91°00'04"W
 (NOS)

16013 28Ed. 4/14/01 LAST NM 52/02 21/03
 Delete Superbuoy ODAS "46079" 59°02.5'N 152°13.4'W
 (15/03 CG17)

SECTION I

NM 21/03

★16535	12Ed. 11/18/00 LAST NM 2/03 Relocate Buoy "11" from 55°01'57"N 163°25'10"W to (15/03 CG17)	21/03 55°02'10"N 163°25'04"W	Light "43" from 43°21'53.2"N 124°12'32.8"W to (7/03 CG13) 43°21'51.2"N 124°12'31.3"W
★16606	11Ed. 6/02 LAST NM 37/02 Delete Superbuoy ODAS "46079" (15/03 CG17)	21/03 59°02'32"N 152°13'23"W	★18588 36Ed. 3/25/00 LAST NM 49/02 Relocate Buoy "4" from 43°07'41.7"N 124°27'01.5"W to (7/03 CG13) 43°07'41.5"N 124°27'03.7"W
16640	24Ed. 9/15/01 LAST NM 48/01 Delete Superbuoy ODAS "46079" (15/03 CG17)	21/03 59°02.5'N 152°13.4'W	★18622 52Ed. 6/30/01 LAST NM 49/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
17300	30Ed. 10/02 LAST NM 52/02 Delete Lights (2) (15/03 CG17)	21/03 58°15.8'N 134°20.3'W	18649 62Ed. 8/11/01 LAST NM 6/03 Change Color of buoy "SC" to RG 37°46'32"N 122°21'57"W
★17315	23Ed. 11/02 LAST NM 16/03 Delete Lights (2) (15/03 CG17)	21/03 58°15'48"N 134°20'18"W	Add Tabulation (2) of controlling depths from Subsection I-2 (NOS; 15/03 CG11)
17427	7Ed. 7/4/98 LAST NM 16/02 Delete Buoy (mooring) (15/03 CG17)	21/03 54°44'12"N 130°38'28"W	★18650 51Ed. 4/20/02 LAST NM 4/03 Change Color of buoy "SC" to RG 37°46'32"N 122°21'57"W
★17437	8Ed. 5/13/95 LAST NM 16/02 Delete Buoy (mooring) (15/03 CG17)	21/03 54°44'13"N 130°38'27"W	Add Tabulation of controlling depths from Subsection I-2 (NOS; 15/03 CG11)
17438	12Ed. 1/28/95 LAST NM 15/03 Delete Buoy (mooring) (15/03 CG17)	21/03 54°44'13"N 130°38'27"W	★18652 31Ed. 9/29/01 LAST NM 16/03 (Page A) Change Color of buoy "SC" to RG 37°46'32"N 122°21'57"W
18000	8Ed. 8/21/93 LAST NM 10/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-18000) (14/03 CG11)	21/03 34°52.8'N 120°52.1'W	Add Tabulation of controlling depths from Subsection I-2 (NOS; 15/03 CG11)
18002	6Ed. 5/13/95 LAST NM N10/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See N10/03-18002) (14/03 CG11)	N21/03 34°52.8'N 120°52.1'W	★18653 9Ed. 9/30/00 LAST NM 6/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
18005	4Ed. 9/20/97 LAST NM N13/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See N10/03-18005) (14/03 CG11)	N21/03 34°52.8'N 120°52.1'W	★18656 53Ed. 3/03 LAST NM 19/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
18020	36Ed. 1/27/01 LAST NM 13/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-18020) (14/03 CG11)	21/03 34°52.8'N 120°52.1'W	18657 18Ed. 3/17/01 LAST NM 4/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
18022	33Ed. 1/26/02 LAST NM 13/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-18022) (14/03 CG11)	21/03 34°52.8'N 120°52.1'W	18658 29Ed. 3/13/99 LAST NM 4/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
★18502	84Ed. 6/02 LAST NM 9/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	21/03	18659 14Ed. 9/18/99 LAST NM 16/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
★18521	69Ed. 6/1/02 LAST NM 12/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	21/03	18666 1Ed. 11/24/01 LAST NM 26/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
★18587	68Ed. 8/25/01 LAST NM 10/03 Relocate Light "25" from 43°25'34.0"N 124°15'02.0"W to 43°25'33.4"N 124°15'02.0"W	21/03	★18700 21Ed. 7/29/00 LAST NM 13/03 Add Superbuoy ODAS [Q58] "46011" Y, Fl(4) Y 20s (PA) (See 10/03-18700) (14/03 CG11)

SECTION I

18749	38Ed. 12/1/01 LAST NM 16/03 Delete Anchorage area and legend “COMMERCIAL...A” in vicinity	21/03 33°43'19.5"N 118°14'18.0"W	Legend “Ver Carta 905” to “See Chart 9531” 49°23'40"S 74°18'06"W (9/139)02 Valparaiso)
Relocate	Buoy “5” from 33°43'43.6"N to 33°43'54.9"W	118°15'54.9"W 33°43'45.6"N 118°15'56.4"W	
Add	Buoy “A” W Or, Fl 4s (Priv) Buoy “B” W Or, Fl 4s (Priv) Buoy “C” W Or, Fl 4s (Priv) Buoy “D” W Or, Fl 4s (Priv) Buoy “E” W Or, Fl 4s (Priv) Buoy “F” W Or, Fl 4s (Priv) Buoy “G” W Or, Fl 4s (Priv)	33°43'22.0"N 118°14'32.8"W 33°43'11.6"N 118°14'28.1"W 33°43'01.5"N 118°14'22.9"W 33°43'05.6"N 118°14'09.1"W 33°43'09.4"N 118°13'59.2"W 33°43'18.6"N 118°14'02.0"W 33°43'28.5"N 118°14'07.7"W	
	“AREA TO BE AVOIDED Shallow water area (Depths 10 to 15 feet)” bound by shore and dashed line joining	33°43'32.0"N 118°14'38.9"W 33°43'01.5"N 118°14'22.9"W 33°43'09.4"N 118°13'59.2"W 33°43'40.0"N 118°14'13.5"W	
	(12/03 CG11)		
*18751	42Ed. 12/1/01 LAST NM 16/03 Delete Anchorage area and legend “COMMERCIAL...A” in vicinity	21/03 33°43'19.5"N 118°14'18.0"W	
Relocate	Buoy “5” from 33°43'43.6"N to 33°43'54.9"W	118°15'54.9"W 33°43'45.6"N 118°15'56.4"W	
Add	Buoy “A” W Or, Fl 4s (Priv) Buoy “B” W Or, Fl 4s (Priv) Buoy “C” W Or, Fl 4s (Priv) Buoy “D” W Or, Fl 4s (Priv) Buoy “E” W Or, Fl 4s (Priv) Buoy “F” W Or, Fl 4s (Priv) Buoy “G” W Or, Fl 4s (Priv)	33°43'22.0"N 118°14'32.8"W 33°43'11.6"N 118°14'28.1"W 33°43'01.5"N 118°14'22.9"W 33°43'05.6"N 118°14'09.1"W 33°43'09.4"N 118°13'59.2"W 33°43'18.6"N 118°14'02.0"W 33°43'28.5"N 118°14'07.7"W	
	“AREA TO BE AVOIDED Shallow water area (Depths 10 to 15 feet)” bound by shore and dashed line joining	33°43'32.0"N 118°14'38.9"W 33°43'01.5"N 118°14'22.9"W 33°43'09.4"N 118°13'59.2"W 33°43'40.0"N 118°14'13.5"W	
	Dangerous submerged rock [K13] 33°45'19.0"N 118°16'44.0"W		
	Dangerous submerged rock [K13] 33°45'16.0"N 118°16'50.0"W		
	(12/03 CG11)		
*18772	47Ed. 2/03 NEW EDITION (NOS)	21/03	
22341	9Ed. 9/11/99 LAST NM 11/03 Change Light to Fl(2) G 6s 10m 8M Visibility (range) of light to 7M Visibility (range) of light to 7M	21/03 41°47.6'S 73°27.6"W 41°49.8'S 73°30.9"W 41°48.0'S 73°28.7"W	
	(9/136)02 Valparaiso)		
22342	9Ed. 11/21/98 LAST NM 19/02 Change Light to Fl(2) G 6s 10m 8M Visibility (range) of light to 7M Visibility (range) of light to 7M	21/03 41°47'36"S 73°27'35"W 41°49'44"S 73°30'56"W 41°47'58"S 73°28'44"W	
	(9/136)02 Valparaiso)		
22343	1Ed. 8/3/61 LAST NM N11/03 Change Light to Fl(2) G 6s 10m 8M Visibility (range) of light to 7M Visibility (range) of light to 7M	N21/03 41°47.6'S 73°27.8"W 41°49.9'S 73°31.4"W 41°48.0'S 73°29.0"W	
	(9/136)02 Valparaiso)		
22347	5Ed. 7/16/93 LAST NM N19/02 Change Light to Fl(2) G 6s 10m 8M Visibility (range) of light to 7M Visibility (range) of light to 7M	N21/03 41°47'34"S 73°27'32"W 41°49'42"S 73°30'52"W 41°47'55"S 73°28'43"W	
	(9/136)02 Valparaiso)		
22408	1Ed. 4/20/79 LAST NM N10/03 Change Chilean chart number “917” to “9530” in margins (3) of chart	N21/03	
23030	6Ed. 11/22/97 LAST NM 38/02 Add Light (AERO) Fl WR 117m 25/15M	21/03 34°26.4'S 57°51.5"W (19/185)02 Buenos Aires)	
24052	15Ed. 9/13/97 LAST NM 19/03 Change Visibility (range) of light to 6M	21/03 34°49'05"S 57°53'46"W (19/186, 187)02 Buenos Aires)	
Add	Buoy Y, can, “X” topmark, Fl(3) Y 15s Buoy Y, can, “X” topmark, Fl(5) Y 13s	34°44'13"S 57°55'32"W 34°42'19"S 57°54'19"W	
	(Plan)		
Change	Visibility (range) of light to 6M	34°49'05"S 57°53'46"W (19/186, 187)02 Buenos Aires)	
24055	6Ed. 10/4/97 LAST NM 19/03 Change Visibility (range) of light to 6M	21/03 34°49.1'S 57°53.7"W	
Add	Buoy Y, can, “X” topmark, Fl(3) Y 15s Buoy Y, can, “X” topmark, Fl(5) Y 13s Light (AERO) Fl WR 117m 25/15M	34°44.2'S 57°55.5"W 34°42.3'S 57°54.3"W 34°26.4'S 57°51.5"W (19/185-187)02 Buenos Aires)	
24091	6Ed. 11/2/96 LAST NM 6/03 Substitute Light “Setia No 33” Fl R 5s 2M for buoy	21/03 31°53'04"S 52°08'57"W Light “Setia No 32” Fl G 5s 2M for buoy 31°52'09"S 52°09'39"W Light “Feitoria No 69” Fl R 5s 2M for buoy 31°43'26"S 52°00'03"W Light “Feitoria No 83” Fl R 5s 2M for buoy 31°41'42"S 51°55'50"W Light “Feitoria No 80” Fl G 5s 2M for buoy 31°41'34"S 51°55'57"W Light “Feitoria No 82” Fl G 5s 5M for buoy 31°41'20"S 51°55'19"W	
	(6/20)03 Rio de Janeiro)		
25550	2Ed. 11/6/93 LAST NM 24/02 Change Light (Fl WR 4s) to QWR (BA LL)	21/03 16°19.9'N 61°20.6'W	
25563	50Ed. 6/10/95 LAST NM 18/03 Change Characteristic of light to QWR (BA LL)	21/03 16°19.9'N 61°20.6'W	
25567	16Ed. 6/24/95 LAST NM 19/02 (Plan B) Change Characteristic of light to QWR	21/03 16°19'56.4"N 61°20'36.1"W	
★25671	18Ed. 3/03 NEW EDITION (NOS)	21/03	
★26290	1Ed. 7/16/88 CHART CANCELED (NIMA)	21/03	
★26295	1Ed. 3/15/03 NEW CHART (NIMA)	21/03	
★26300	7Ed. 3/15/03 NEW EDITION (NIMA)	21/03	
★26308	5Ed. 3/15/03 NEW EDITION (NIMA)	21/03	
★26312	2Ed. 4/5/80 LAST NM 17/99 (Plan A) Add Legend “SEE CAUTION”	21/03 24°43'37"N 77°45'27"W	

(continued on next page)

SECTION I

NM 21/03

26312	(Continued)			
	Caution note			
	“CAUTION			
	An above-water cable obstruction extends in an ENE direction for approximately 50 yards from the OHDF TR.”	24°41'40"N 77°46'30"W		
	(NTM0004/2003)			
26316	3Ed. 7/29/95 LAST NM 9/00	21/03		
Add	Legend “CAUTION NO 4”	24°43'42"N 77°45'42"W		
	Caution No. 4 to CAUTIONS note			
	“4. An above-water cable obstruction extends in an ENE direction for approximately 50 yards from the OHDF TR.”	24°38'36"N 77°46'14"W		
	(NTM0004/2003)			
27100	2Ed. 7/8/95 LAST NM 8/03	21/03		
Change	Legend to “15 CFR 922.164d (see note)” in vicinity	24°41.5'N 83°00.0'W		
	Legend to “15 CFR 922.164d (see note)” in vicinity	24°25.2'N 83°06.5'W		
	Legend to “RESTRICTED ANCH 15 CFR 922.164g (see note)” in vicinity (See 8/03-27100)	24°37.0'N 83°02.7'W		
	(NOS)			
35040	18Ed. 5/10/97 LAST NM 14/03	21/03		
Add	Buoy Y, spherical, “X” topmark, Fl(5) Y 20s Position circle [E24] “MONUMENT (322)”	54°17'36"N 0°19'03"W 54°29'00"N 1°05'30"W		
	(16(1784)03 Taunton; BA CH 1191)			
36060	17Ed. 8/23/97 LAST NM 20/03	21/03		
Add	Wreck [K28] (PA)	54°29.5'N 5°24.9'W		
	(16(1787)03 Taunton)			
37080	3Ed. 12/28/96 LAST NM 20/03	21/03		
Add	Dangerous wreck [K28]	48°40.4'N 2°12.0'W		
	(35(7)02 Brest)			
37120	2Ed. 3/22/97 LAST NM 6/03	21/03		
Add	Depth 5.8 meters	51°26.2'N 3°02.4'E		
	(24(7)03 's-Gravenhage)			
37162	12Ed. 5/18/96 LAST NM 26/02	21/03		
Substitute	Swept depth 15.3 meters Wk for 10.5 meters Wk and delete buoy marking wreck	52°53.9'N 4°33.4'E		
Add	Depth 21 meters Wk	53°02.6'N 4°32.5'E		
	Buoy BY, pillar, double cone topmark points upwards, VQ	52°18.8'N 3°42.7'E		
	(47(580)02, 3(53)03 's-Gravenhage; Neth CH 1546)			
37165	2Ed. 2/3/96 LAST NM 15/03	21/03		
Substitute	Swept depth 17.8 meters Wk [K27] for depth 20.2 meters Wk	53°54.0'N 6°42.8'E		
Add	Swept depth 17.8 meters Wk [K27]	53°42.2'N 6°26.3'E		
	(10(87)03 Hamburg)			
37166	2Ed. 7/13/96 LAST NM 19/03	21/03		
Add	Buoy BY, pillar, double cone topmark points upward, VQ	52°18.8'N 3°42.7'E		
	Depth 21 meters Wk	53°02.6'N 4°32.5'E		
	(3(53)03 's-Gravenhage)			
37221	13Ed. 2/3/96 LAST NM 15/03	21/03		
Substitute	Swept depth 17.8 meters Wk [K27] for 20.2 meters Wk	53°54.0'N 6°42.8'E		
Add	Swept depth 21.7 meters Wk [K27]	53°59.6'N 8°19.7'E		
	Swept depth 17.8 meters Wk [K27]	53°42.2'N 6°26.3'E		
	(10(44, 87)03 Hamburg)			
37222	13Ed. 11/1/97 LAST NM 28/02	21/03		
Add	Swept depth 17.8 meters Wk [K27]	53°42'12"N 6°26'20"E		
	(10(87)03 Hamburg)			
37223	14Ed. 9/2/95 LAST NM 42/02	21/03		
Add	Depth 21 meters Wk	53°02.6'N 4°32.5'E		
	Swept depth 17.8 meters Wk [K27]	53°42.2'N 6°26.3'E		
	(47(580)02 's-Gravenhage; 10(87)03 Hamburg)			
37226	17Ed. 12/27/97 LAST NM 17/03	21/03		
Substitute	Swept depth 14.2 meters Wk [K27] for 14.5 meters Wk	53°53'22"N 8°42'23"E		
	Swept depth 5.5 meters Wk [K27] for 5.7 meters Foul	53°52'13"N 8°44'45"E		
Add	Swept depth 21.7 meters Wk [K27]	53°59'34"N 8°19'41"E		
	(Plan)			
Substitute	Swept depth 14.2 meters Wk [K27] for 14.5 meters Wk	53°53'21.6"N 8°42'23.4"E		
	Swept depth 5.5 meters Wk [K27] for 5.7 meters Wk	53°52'12.6"N 8°44'45.0"E		
	Foul ground symbol [K31] for swept depth 10.7 meters Foul	53°52'07.2"N 8°44'21.6"E		
	(23(44)02, 10(44)03 Hamburg)			
37238	6Ed. 10/17/98 LAST NM 17/03	21/03		
Delete	Anchor berth “MA”	52°58'54"N 4°45'38"E		
	Anchor berth “N”	52°58'54"N 4°45'38"E		
	Buoy “M 1A”	52°58'06"N 4°48'18"E		
	Buoy “LW”	52°59'32"N 4°55'54"E		
	Buoys “M 8”, “M 10” and “GvS 7” between	52°58'47"N 4°50'37"E		
		52°59'13"N 4°50'52"E		
	Buoys “GvS 8”, “M 14”, “M 16”, “M 18”, “M 20”, “M 22”, “M 24 B 11” and “M 26” between	52°59'42"N 4°51'42"E		
		52°59'40"N 4°56'06"E		
	Buoys “M 11”, “M 15”, “M 17”, “M 19” and “M 21” between	52°59'03"N 4°51'52"E		
		52°59'22"N 4°55'46"E		
Relocate	Anchor berth “O” from 52°59'20"N 4°46'22"E to	52°59'16"N 4°46'10"E		
		Light “MH 6” from 52°57'56"N 4°47'24"E to		
		52°57'59"N 4°47'25"E		
	Buoy “KLZ-G” from 52°58'23"N 4°48'48"E to	52°58'30"N 4°49'26"E		
		52°58'33"N 4°49'47"E		
	Buoy “M 4” from 52°58'24"N 4°49'16"E to	52°58'33"N 4°49'47"E		
		52°58'04"E		
	Buoy “M 6” from 52°58'36"N 4°50'04"E to	52°58'54"N 4°50'40"E		
		52°58'30"N 4°50'32"E		
	Buoy “M 7” from 52°58'30"N 4°50'32"E to	52°58'43"N 4°50'56"E		
		52°59'12"E		
	Buoy “M 9” from 52°58'46"N 4°51'12"E to	52°59'01"N 4°51'44"E		
		52°59'14"N 4°51'36"E to		
		and change designation to “GvS 3 M 8”		
	Buoy “GvS 4” from 52°59'47"N 4°50'24"E to	52°59'42"N 4°50'32"E		
		and add light Iso R 4s		
	Buoy “GvS 6” from 52°59'42"N 4°51'03"E to	52°59'42"N 4°51'29"E		
		and delete light		
	Anchor berth “Q” from 53°00'48"N 4°49'13"E to	53°00'51"N 4°49'19"E		
		53°01'18"N 4°50'12"E		
	Buoy “VC 2” from 53°03'21"N 4°52'56"E to	53°03'19"N 4°53'23"E		
		53°03'21"N 4°53'44"E to		
	Buoy “T 22 VC 1” from 53°03'21"N 4°53'44"E to	53°03'32"N 4°54'09"E		
Substitute	Swept depth 15.3 meters Wk for 10.5 meters Wk and delete buoy marking wreck	52°53'51"N 4°33'23"E		

(continued on next page)

37238	(Continued)		
Change	Designation of anchor berth "M" to "N"		
		52°59'05"N 4°45'40"E	
Buoy to "M 3" G, conical	52°58'12"N 4°49'05"E		
Designation of buoy "M13" to "M 11"	52°59'21"N 4°52'32"E		
Add Depth 21 meters Wk	53°02'37"N 4°32'30"E		
Foul bottom symbol [K31]	52°56'59"N 4°34'55"E		
Land tint to area bound by shore and solid line joining	52°58'24"N 4°40'54"E 52°58'21"N 4°39'21"E 52°58'29"N 4°39'07"E 52°58'43"N 4°39'10"E 52°58'48"N 4°39'39"E 52°58'36"N 4°39'54"E 52°58'36"E 4°40'31"E		
Drying height 0.7 meter and extend depth contour (0-meter) N to enclose drying height and wreck "Friesenland" close W	52°58'48"N 4°39'46"E		
Drying height 0.4 meter enclosed by depth contour (0-meter)	52°59'00"N 4°39'57"E		
Depth 0.4 meter and extend depth contour (2-meter) NE to enclose	52°59'56"N 4°41'41"E		
Drying height 0.1 meter enclosed by depth contour (0-meter)	52°59'2"N 4°42'08"E		
Drying height 0.3 meter and extend depth contour (0-meter) E to enclose	52°58'47"N 4°42'38"E		
Depth 9.6 meters enclosed by depth contour (10-meter)	52°59'16"N 4°48'49"E		
Depth 4.9 meters enclosed by depth contour (5-meter)	52°59'16"N 4°50'21"E		
Buoy "KLZ-H" Y, conical, "X" topmark	52°58'11"N 4°48'34"E		
Buoy "GvS 1" G, conical, Iso G 4s	52°59'03"N 4°51'52"E		
Buoy "M 10" R, can, Iso R 8s	52°59'42"N 4°52'31"E		
Buoy "M 12" R, can	52°59'43"N 4°53'59"E		
Buoy "M 13" G, conical	52°59'03"N 4°51'52"E		
Buoy "M 14 B 11" RGR, can, Fl(2+1) R 10s	52°59'03"N 4°51'52"E		
Buoy "M 15" G, conical, QG	52°59'03"N 4°51'52"E		
Foul bottom symbol [K31]	53°03'14"N 4°54'37"E		
(Plan A)			
Relocate Light "MH 6" from 52°57'56.4"N 4°47'23.7"E to 52°57'59.2"N 4°47'24.6"E			
Add Light "MH 8" Iso R 8s	52°57'51.5"N 4°47'21.1"E		
(47(580)02, 2(54), 4(71)03 's-Gravenhage; Neth CH 1546)			
37246	14Ed. 5/16/98 LAST NM 15/02	21/03	
Relocate Buoy "OH-MG" from 51°26'27"N 3°59'12"E to 51°26'24"N 3°59'07"E			
(4(63)03 's-Gravenhage)			
37248	18Ed. 2/14/98 LAST NM 39/02	21/03	
Add Depth 5.8 meters	51°26'10.0"N 3°02'23.0"E		
Depth 5.6 meters	51°25'54.0"N 3°04'08.0"E		
(2(47)03 's-Gravenhage)			
37320	16Ed. 9/6/97 LAST NM 17/03	21/03	
Add Depth 34 meters Wk [K26]	48°03'02"N 4°46'23"W		
(35(10)02 Brest)			
37326	2Ed. 5/3/97 LAST NM 18/03	21/03	
Add Drying height [I15] 1.2 meters	48°23'42.6"N 4°25'25.2"W		
(48(10)02 Brest)			
37328	2Ed. 7/19/97 LAST NM 15/03		
Add Depth 34 meters Wk [K26]			
(35(10)02 Brest)			
	48°03'02"N 4°46'23"W		
37342	3Ed. 10/5/96 LAST NM 15/03	21/03	
Substitute Depth 5 meters Wk [K26] for dangerous wreck			
	47°35'44"N 3°23'41"W		
	Depth 11.9 meters for 13 meters	47°34'46"N 3°24'48"W	
(38(48), 42(35)02 Brest)			
37344	11Ed. 5/17/97 LAST NM 34/02	21/03	
Substitute Depth 5 meters Wk [K26] for dangerous wreck			
	47°35'44"N 3°23'41"W		
	Depth 11.9 meters for 13 meters	47°34'46"N 3°24'48"W	
(38(48), 42(35)02 Brest)			
37360	15Ed. 6/22/96 LAST NM 17/03	21/03	
Add Depth 34 meters Wk [K26]			
(35(10)02 Brest)			
	48°03.2"N 4°46.4"W		
37380	2Ed. 9/11/93 LAST NM 17/03	21/03	
Add Depth 10.4 meters			
(42(36)02 Brest)			
	47°25.9"N 2°47.8"W		
37421	8Ed. 6/14/97 LAST NM 14/03 (Panel 2)	21/03	
Add Buoy (mooring) [Q40]			
(31(15)02 Brest)			
	45°02'13.2"N 0°33'26.4"W		
37423	5Ed. 3/8/97 LAST NM 14/03 (Panel A)	21/03	
Add Buoy (mooring) [Q40]			
(31(15)02 Brest)			
	45°02'13.2"N 0°33'26.4"W		
43360	21Ed. 1/4/97 LAST NM 20/03	21/03	
Delete Traffic separation scheme in vicinity			
Traffic separation scheme in vicinity			
Note in vicinity			
(Nor CH 11)			
	57°57.5"N 6°26.3"E		
	57°50.0"N 7°10.0"E		
	58°36.0"N 7°10.0"E		
44140	8Ed. 7/20/96 LAST NM 19/03	21/03	
Delete Depth 10.2 meters			
	56°24.6"N 16°14.4"E		
Add Depth 9.7 meters			
(31(719)00 Norrkoping)			
	56°24.6"N 16°14.7"E		
44161	2Ed. 6/8/96 LAST NM 10/03 (Plan Kalmar)	21/03	
Delete Depth 6.6 meters			
Depth 6.2 meters			
Depth 5.6 meters			
Swept depth 7.7 meters			
Depth 7.7 meters			
Depth 5.5 meters			
Depth 5 meters			
Depth 5 meters			
Depth 7.7 meters			
Depth 7.8 meters			
Depth 7.5 meters			
Depth 8 meters			
Depth 8.4 meters			
	56°39'28.4"N 16°22'02.0"E		
	56°39'27.0"N 16°21'55.8"E		
	56°39'25.0"N 16°21'56.5"E		
	56°39'45.0"N 16°22'17.0"E		
	56°39'40.0"N 16°22'32.5"E		
	56°39'36.6"N 16°22'36.2"E		
	56°39'38.2"N 16°22'06.0"E		
	56°39'35.0"N 16°22'01.2"E		
	56°39'43.5"N 16°22'53.0"E		
	56°39'26.5"N 16°22'39.5"E		
	56°39'25.5"N 16°22'45.8"E		
	56°39'19.5"N 16°22'25.0"E		
	56°39'14.5"N 16°22'18.8"E		
	Substitute Depth 7.8 meters for swept depth 7.7 meters		
	56°39'38.0"N 16°22'17.2"E		
	Depth 7.8 meters for swept depth 7.7 meters		
	56°39'37.5"N 16°22'10.2"E		
	Depth 6.6 meters for swept depth 7.7 meters		
	56°39'42.0"N 16°22'45.0"E		
	Depth 5.3 meters for 5.6 meters		
	56°39'26.0"N 16°21'50.0"E		
	Depth 4.9 meters for 5.6 meters		
	56°39'21.8"N 16°21'49.5"E		
	Depth 4.8 meters for 5 meters		
	56°39'37.8"N 16°22'06.0"E		
	Depth 3.9 meters for 4 meters		
	56°39'11.0"N 16°22'20.0"E		
	Depth 7 meters for 9.2 meters		
	56°39'10.2"N 16°22'12.2"E		
	Depth 16 meters for 15 meters		
	56°39'14.2"N 16°22'27.2"E		
	Depth 1.4 meters for 1.5 meters		
	56°39'12.2"N 16°22'57.2"E		
	Depth 12 meters for 13 meters		
	56°39'32.0"N 16°23'01.2"E		
	Depth 2.9 meters for 3 meters		
	56°39'45.0"N 16°22'30.0"E		

(continued on next page)

SECTION I

NM 21/03

44161 (Continued)

Depth 4.9 meters for 5.6 meters 56°39'22.0"N 16°21'48.2"E
 Beacon for position circle "Cairn" 56°39'46.0"N 16°22'35.4"E
 (See 50/02-44161)

Add Depth 6.5 meters 56°39'31.8"N 16°22'10.0"E
 Depth 5.7 meters 56°39'26.2"N 16°21'59.4"E
 Depth 4.4 meters 56°39'23.0"N 16°21'42.2"E
 Depth 7.4 meters 56°39'42.8"N 16°22'16.0"E
 Depth 7 meters 56°39'46.8"N 16°22'18.6"E
 Depth 7 meters 56°39'47.0"N 16°22'18.0"E
 Depth 7 meters 56°39'42.8"N 16°22'26.5"E
 Depth 6.7 meters 56°39'39.0"N 16°22'38.5"E
 Depth 1.4 meters 56°39'45.0"N 16°22'26.5"E
 Depth 0.9 meter 56°39'46.8"N 16°22'25.0"E
 Depth 0.6 meter 56°39'49.6"N 16°22'24.2"E
 Depth 7.7 meters 56°39'33.8"N 16°22'46.0"E
 Depth 9 meters 56°39'26.2"N 16°22'59.0"E
 Depth 5 meters 56°39'23.8"N 16°22'55.0"E
 Depth 12 meters 56°39'18.6"N 16°22'37.0"E
 Depth 7.4 meters 56°39'15.3"N 16°22'23.0"E
 Swept depth 7.9 meters [I24] 56°39'21.8"N 16°22'37.0"E
 Swept depth 7.9 meters [I24] 56°39'20.0"N 16°22'28.0"E
 Swept depth 7.9 meters [I24] 56°39'13.5"N 16°22'33.0"E
 Depth 5 meters 56°39'13.2"N 16°22'19.0"E
 Depth 3.9 meters 56°39'36.5"N 16°22'02.0"E
 Depth 8.3 meters 56°39'47.0"N 16°22'58.0"E
 Depth 8.2 meters 56°39'40.8"N 16°22'49.5"E
 Depth 7 meters 56°39'39.8"N 16°22'57.0"E
 Depth 11 meters 56°39'20.5"N 16°22'47.0"E
 Rock awash [K12] 56°39'48.0"N 16°22'25.0"E

Depth 5.8 meters enclosed by depth contour
 (6-meter) 56°39'44.0"N 16°22'21.0"E
 Depth 1 meter enclosed by depth contour
 (3-meter) 56°39'46.6"N 16°22'50.0"E
 Depth 5 meters enclosed by depth contour
 (6-meter) 56°39'34.8"N 16°22'56.0"E
 (30(704)00 Norrkoping)

44181 5Ed. 4/6/96 LAST NM 20/03

Delete Submarine pipeline between 59°18'30.0"N 18°26'42.0"E
 59°17'36.0"N 18°25'25.2"E

Add Submarine pipeline [L40.1] joining

59°18'06.0"N 18°27'24.0"E
 59°18'04.8"N 18°27'13.2"E
 59°18'07.2"N 18°26'21.0"E
 59°18'02.4"N 18°26'03.6"E
 59°17'57.6"N 18°25'54.0"E
 59°17'52.8"N 18°25'34.2"E
 59°17'45.6"N 18°25'24.0"E
 59°17'36.0"N 18°25'19.2"E
 (44(1006)00 Norrkoping)

44220 5Ed. 8/23/97 LAST NM 16/03

Delete Purple composite line between 62°19.3'N 17°26.7'E
 62°21.5'N 17°28.5'E

Purple composite line between

62°20.3'N 17°24.5'E
 62°21.6'N 17°25.7'E

Purple composite line between

62°27.7'N 17°29.0'E
 62°27.9'N 17°31.5'E

Purple composite line between

62°25.2'N 17°30.9'E
 62°25.7'N 17°32.0'E

Change Caution No. 1 of CAUTIONS note to
 "1. During thunderstorms passage may be
 dangerous."

(49(1285)99 Norrkoping)

44221 1Ed. 8/12/89 LAST NM 19/03

(Panel A)
 Delete Purple dashed-line area and legend "MINED
 AREA" in vicinity 62°45'30"N 18°10'00"E
 Purple dashed-line area and legend "MINED
 AREA" in vicinity 62°43'00"N 18°00'00"E
 Purple dashed-line area and legend "MINED
 AREA" in vicinity 62°40'30"N 18°05'00"E
 Purple dashed-line area and legend "MINED
 AREA" in vicinity 62°38'30"N 18°04'00"E

(Panel B)

Change Caution No. 1 of CAUTIONS note to
 "1. During thunderstorms passage may be
 dangerous, transiting vessels do so at their
 own risk." 62°53'40"N 18°01'00"E
 (49(1284)99 Norrkoping)

44223 1Ed. 9/5/92 LAST NM 13/03

Delete Purple composite line between 62°19'20"N 17°26'45"E
 62°21'30"N 17°28'30"E

Purple composite line between 62°20'18"N 17°24'30"E

Purple composite line between 62°21'12"N 17°25'42"E

Purple composite line between 62°27'40"N 17°29'00"E

Purple composite line between 62°27'54"N 17°31'30"E

Purple composite line between 62°25'10"N 17°30'54"E

Purple composite line between 62°25'42"N 17°32'00"E

Change Caution No. 1 of CAUTIONS note to
 "1. During thunderstorms passage may be
 dangerous." 62°11'40"N 17°25'00"E
 (49(1285)99 Norrkoping)

44224 1Ed. 8/22/92 LAST NM 20/03

Delete Purple composite line between 63°15'02"N 18°51'36"E
 63°14'11"N 18°51'25"E

Purple composite line between 63°13'45"N 18°55'25"E

Purple composite line between 63°14'19"N 18°53'06"E

Anchoring prohibited symbol 63°13'34"N 18°54'30"E

Fishing prohibited symbol 63°13'34"N 18°54'04"E
 (49(1283)99 Norrkoping)

44240 8Ed. 7/19/97 LAST NM 19/03

Delete Light 63°47.4'N 20°57.3'E

Purple composite-line area and legend
 "CAUTION NO 6" in vicinity 63°48.0'N 20°47.0'E

Change Caution No. 6 of CAUTIONS note to
 "6. Reserved." 63°44.0'N 19°40.0'E
 (31(717)00 Norrkoping)

44260 7Ed. 7/27/96 LAST NM 13/03

Delete Light 63°47.4'N 20°57.3'E

Purple composite-line area and legend
 "CAUTION NO 2" in vicinity 63°48.0'N 20°47.0'E

Change Caution No. 2 of CAUTIONS note to
 "2. Reserved." 63°45.0'N 23°30.0'E
 (49(1282)99, 31(717)00 Norrkoping)

44281 2Ed. 4/6/96 LAST NM 19/03

Delete Beacon 65°28'08"N 22°17'20"E
 Beacon 65°27'57"N 22°18'30"E

Range line and legend "Bns in line 111°"
 between 65°27'57"N 22°18'30"E
 65°28'24"N 22°15'39"E

Beacon 65°28'28"N 22°17'42"E
 Beacon 65°27'21"N 22°17'12"E

Range line and legend "Bns in line 242°"
 between 65°27'21"N 22°17'12"E
 65°28'30"N 22°22'24"E

Beacon 65°25'56"N 22°14'09"E
 Beacon 65°25'52"N 22°14'00"E

Purple composite line and legend "CAUTION
 NO 7" between 65°30'05"N 22°22'06"E
 65°30'42"N 22°23'12"E

Purple composite line between 65°30'24"N 22°21'20"E
 65°30'35"N 22°21'42"E

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SECTION I

NM 21/03

★52144	5Ed. 12/25/93 LAST NM 18/03 (Plan)	21/03	“A1 ANCHORAGE AND WAITING AREA” [N12.3] bound by chart border and purple dashed line joining 39°03'00.1"N 9°06'50.5"E 39°03'39.0"N 9°05'30.0"E 39°03'00.1"N 9°05'16.0"E	
Add Note	“DATUM NOTE Positions referred to the World Geodetic System 1984 (WGS-84) must be moved 1.9 seconds westward with no change in latitude to agree with this plan.” (NTM0013/2003)	39°33'48"N 2°41'36"E		
53083	8Ed. 4/15/95 LAST NM 10/03 Add Depth 52 meters Wk [K26] (PA) 43°09'27.6"N 6°40'01.2"E Depth 35 meters Wk [K26] (PA) 43°16'12.0"N 6°44'14.4"E (42(48)02 Brest)	21/03	“B1 ANCHORAGE AND WAITING AREA” [N12.3] bound by purple dashed line joining 39°10'44.0"N 9°06'04.2"E 39°10'22.8"N 9°06'16.2"E 39°09'41.5"N 9°05'24.0"E 39°10'31.0"N 9°05'23.0"E	
53089	4Ed. 4/30/94 LAST NM 47/99 Add Depth 35 meters Wk [K26] (PA) 43°16'12.0"N 6°44'14.4"E (42(48)02 Brest)	21/03	“ALFA ANCHORAGE” area [N12.3] bound by chart border, above purple dashed line, purple composite line and purple dashed line between 39°04'37.0"N 9°03'01.0"E 39°03'00.1"N 9°03'30.0"E (14(1)00 Genova; Ital CH 299)	
53100	16Ed. 11/18/89 LAST NM 20/03 Change Light to Fl R 3s 13m 3M (22(6)02 Genova)	21/03 44°01.6'N 10°02.5"E	53284 4Ed. 3/28/92 LAST NM 7/03 Add Beacon BY, double cone topmark points upward Buoy YB, double cone topmark points downward (22(9)02 Genova)	21/03 41°04'20"N 9°34'54"E 41°03'56"N 9°35'05"E
53106	6Ed. 5/20/00 LAST NM 24/02 Change Light to Fl R 3s 13m 3M (22(6)02 Genova)	21/03 44°01'37"N 10°02'30"E	54161 12Ed. 11/5/94 LAST NM 20/03 Add “Marine Farm” area bound by dashed line joining	21/03 45°26'36.0"N 12°35'08.4"E 45°26'21.0"N 12°34'26.4"E 45°26'06.0"N 12°34'35.4"E 45°26'21.0"N 12°35'17.4"E
53180	10Ed. 1/21/95 LAST NM 20/03 Change Visibility (range) of light to 15M Visibility (range) of light to 16M (22(11, 12)02 Genova)	21/03 38°27.9"N 14°57.5"E 38°22.0"N 14°59.5"E	Buoy Y, can, “X” topmark Buoy Y, can, “X” topmark Buoy Y, can, “X” topmark, Fl Y 4s Buoy Y, can, “X” topmark, Fl Y 3s (22(15)02 Genova)	45°26'36.0"N 12°35'08.4"E 45°26'21.0"N 12°34'26.4"E 45°26'06.0"N 12°34'35.4"E 45°26'21.0"N 12°35'17.4"E
53181	4Ed. 11/4/95 LAST NM 13/03 (Plan A) Change Visibility (range) of light to 15M (Plan B) Change Visibility (range) of light to 15M Visibility (range) of light to 16M (22(11, 12)02 Genova)	21/03 38°27'54"N 14°57'27"E 38°27.9"N 14°57.5"E 38°22.0"N 14°59.5"E	54302 1Ed. 1/3/98 LAST NM 31/02 Delete Light (5(126)01 Athens)	21/03 36°30'30"N 23°03'48"E
53201	6Ed. 10/31/92 LAST NM 18/03 Delete “ANCHORING AND FISHING PROHIBITED” area in vicinity 37°14'00.0"N 15°12'36.0"E “ANCHORING AND FISHING PROHIBITED” area in vicinity 37°12'54.0"N 15°11'30.0"E (22(14)02 Genova)	21/03 37°14'00.0"N 15°12'36.0"E 37°12'54.0"N 15°11'30.0"E	54360 12Ed. 9/22/90 LAST NM 20/03 Delete Buoy Change Visibility (range) of light to 18M (4(105)01 Athens; BA LL)	21/03 40°56'00"N 24°31'36"E 40°00'26"N 26°11'56"E
53262	7Ed. 11/4/95 LAST NM 42/02 Delete Open-outlined arrow symbol “DELTA ANCHORAGE” area joining 39°11'18.0"N 9°05'46.1"E 39°10'44.0"N 9°06'04.2"E 39°10'14.5"N 9°04'28.9"E 39°10'31.0"N 9°05'23.0"E “A1 ANCHORAGE AND WAITING AREA” joining 39°03'00.1"N 9°06'50.5"E 39°04'39.0"N 9°05'30.0"E 39°03'00.1"N 9°05'16.0"E “B1 ANCHORAGE AND WAITING AREA” joining 39°10'44.0"N 9°06'04.2"E 39°10'22.8"N 9°06'16.2"E 39°09'41.5"N 9°05'24.0"E 39°10'24.0"N 9°05'23.0"E “ALFA ANCHORAGE” area between 39°04'37.0"N 9°03'01.0"E 39°03'00.1"N 9°06'50.5"E (See 42/02-53262)	21/03 39°11'51.0"N 9°06'24.0"E 39°11'18.0"N 9°05'46.1"E 39°10'44.0"N 9°06'04.2"E 39°10'14.5"N 9°04'28.9"E 39°10'31.0"N 9°05'23.0"E 39°03'00.1"N 9°06'50.5"E 39°04'39.0"N 9°05'30.0"E 39°03'00.1"N 9°05'16.0"E 39°10'44.0"N 9°06'04.2"E 39°10'22.8"N 9°06'16.2"E 39°09'41.5"N 9°05'24.0"E 39°10'24.0"N 9°05'23.0"E 39°04'37.0"N 9°03'01.0"E 39°03'00.1"N 9°06'50.5"E	54363 3Ed. 7/14/84 LAST NM 20/02 Delete Buoy Change Visibility (range) of light to 18M (4(105)01 Athens; BA LL)	21/03 40°56'54"N 24°31'15"E 40°00'26"N 26°11'56"E
Add	Open-outlined arrow indicating flow of traffic [M10] oriented 340° “DELTA ANCHORAGE” area [N12.3] bound by above purple composite line and purple dashed line joining 39°11'18.0"N 9°05'46.1"E 39°10'39.0"N 9°03'47.0"E 39°10'14.5"N 9°04'28.9"E 39°10'44.0"N 9°06'04.2"E	39°10'51.0"N 9°06'24.0"E 39°10'31.0"N 9°05'23.0"E 39°10'44.0"N 9°06'04.2"E 39°10'22.8"N 9°06'16.2"E 39°09'41.5"N 9°05'24.0"E 39°10'24.0"N 9°05'23.0"E 39°04'37.0"N 9°03'01.0"E 39°03'00.1"N 9°06'50.5"E	54365 6Ed. 1/16/99 LAST NM 11/03 Delete Buoy Buoy Buoy (4(105)01 Athens)	21/03 40°56'03.0"N 24°31'32.0"E 40°56'06.1"N 24°31'24.0"E 40°56'17.0"N 24°31'34.5"E
			54369 4Ed. 4/6/96 LAST NM 20/03 Change Visibility (range) of light to 18M (BA LL)	21/03 40°00'26"N 26°11'56"E
			54480 8Ed. 9/27/86 LAST NM 17/03 Add Depth 126 meters (NTM0014/2003)	21/03 35°24.4'N 35°42.5'E
			55040 4Ed. 7/31/99 LAST NM 20/03 Change Visibility (range) of light to 18M (BA LL)	21/03 40°00.4'N 26°11.9'E

SECTION I

55041	7Ed. 5/13/95 LAST NM 32/02 (Panel A)	21/03	62540	6Ed. 1/26/02 LAST NM 18/03 Substitute Danger circle "Obstn" [K40] for platform	21/03
Change	Visibility (range) of light to 18M (BA LL)	40°00'26.1"N 26°11'55.8"E		29°04.9"N 49°26.5"E	
56031	1Ed. 8/1/92 LAST NM 17/03 Add Depth 126 meters (NTM0014/2003)	21/03	Add	Depth 30 meters Wk [K26]	29°03.0"N 49°34.8"E
56041	4Ed. 6/22/96 LAST NM 40/01 Add Depth 126 meters (NTM0014/2003)	21/03		Depth 20 meters Wk (unsurveyed) [K30]	29°07.2"N 49°25.1"E
62032	16Ed. 2/1/03 LAST NM 17/03 Substitute Depth 32 meters Wk [K26] for 20 meters Wk (unsurveyed) (PA)	21/03	(15(1716)03 Taunton)		
Add	Depth 30 meters Wk [K26]	29°03.0"N 49°34.8"E	62541	3Ed. 1/26/02 LAST NM N18/03 Substitute Danger circle "Obstn" [K40] for platform	N21/03
	Depth 20 meters (unsurveyed) Wk [K30]	29°07.2"N 49°25.1"E		29°04.8"N 49°26.5"E	
	(5(468)02, 15(1716)03 Taunton)		Add	Depth 30 meters Wk [K26]	29°03.0"N 49°34.8"E
62033	3Ed. 2/1/03 LAST NM N17/03 Substitute Depth 32 meters Wk [K26] for 20 meters Wk (unsurveyed) (PA)	N21/03		Depth 20 meters Wk (unsurveyed) [K30]	29°07.2"N 49°25.1"E
Add	Depth 30 meters Wk [K26]	29°03.0"N 49°34.8"E	(15(1716)03 Taunton)		
	Depth 20 meters Wk (unsurveyed) [K30]	29°07.2"N 49°25.1"E	62590	2Ed. 5/29/99 LAST NM 18/03 Change Designation of buoy "No 4" to "No 2"	21/03
	(5(468)02, 15(1716)03 Taunton)		Add	Buoy "No 14" R, can, Q(3) R 10s	29°51'27"N 48°22'50"E
*62220	9Ed. 4/12/03 NEW EDITION (NIMA)	21/03		Buoy "No 19" G, conical, Fl(2) 5s	29°55'22"N 48°17'51"E
62290	3Ed. 2/23/91 LAST NM 10/03 Add Depth 18.3 meters "Rep (1963)" [I3.2] 14°01.7"N 42°48.7"E (BA CH 453)	21/03		Buoy "No 21" G, conical, Fl 3s	29°57'47"N 48°15'09"E
62295	3Ed. 4/20/96 LAST NM 2/02 Add Depth 18.3 meters "Rep (1963)" [I3.2]	21/03		Buoy Y, conical, Fl Y with legend "(wreck buoy)" (See N18/03-62590)	29°54'18"N 48°18'36"E
	(BA CH 453)		(NTM0012/2003)		
*62434	9Ed. 12/8/01 LAST NM 18/03 Delete Buoy (See 18/03-62434)	21/03	62591	3Ed. 5/29/99 LAST NM N18/03 Change Designation of buoy "No 4" to "No 2"	N21/03
Change	Designation of buoy "4" to "2"	29°42'27"N 48°40'27"E		29°42'27"N 48°40'27"E	
Add	Buoy "14" R, can, Q(3) R 10s	29°51'27"N 48°22'50"E	71018	10Ed. 3/23/96 LAST NM 15/03 Add Depth 19.7 meters, blue tint and enclosing depth contour (20-meter) centered	21/03
	Buoy "19" G, conical, Fl(2) 5s	29°55'22"N 48°17'51"E	(46(377)02 Jakarta)	6°01.6'S 105°49.5'E	
	Buoy Y, conical, Fl Y with legend "(wreck buoy)" (NTM0012/2003)	29°54'18"N 48°18'36"E	71081	3Ed. 5/25/85 LAST NM 16/02 Delete Submarine pipeline (gas) joining	21/03
*62437	9Ed. 9/5/98 LAST NM 46/02 Delete Buoy "6" Buoy (See 46/02-62437)	21/03		5°16'14"N 97°06'18"E 5°17'06"N 97°10'16"E 5°29'00"N 97°27'06"E	
Change	Buoy to "No 19" G, conical, Fl(2) 5s 29°55'22.0"N 48°17'51.0"E		Add	Submarine pipeline (gas) [L40.1] joining	
	Buoy to "No 21" G, conical, Fl 3s 29°57'47.0"N 48°15'09.0"E			5°16'14"N 97°06'18"E 5°16'51"N 97°07'25"E 5°17'03"N 97°09'47"E 5°22'25"N 97°17'37"E 5°23'01"N 97°18'06"E 5°27'14"N 97°24'14"E 5°27'30"N 97°24'48"E 5°29'00"N 97°27'01"E	
Add	Buoy "No 22" R, can, Fl(2) 8s	29°59'55.5"N 48°12'33.5"E (NTM0012/2003)	Delete	(Plan) Submarine pipeline (gas) between	
				5°16'13.8"N 97°06'18.3"E 5°17'15.0"N 97°07'48.0"E	
62490	2Ed. 3/1/03 LAST NM 18/03 Add Depth 30 meters Wk [K26]	21/03	Add	Submarine pipeline (gas) [L40.1] joining	
	Depth 20 meters Wk (unsurveyed) [K30]	29°03.0"N 49°34.8"E		5°16'13.8"N 97°06'18.3"E 5°16'51.4"N 97°07'25.2"E 5°17'03.1"N 97°09'46.6"E 5°17'15.0"N 97°10'04.7"E	
	(15(1716)03 Taunton)		(50(390)01, 3(19)02 Jakarta)		
71180	29Ed. 2/3/96 LAST NM 15/03 Add Depth 19.7 meters, blue tint and enclosing depth contour (20-meter) centered	21/03			
	(46(377)02 Jakarta)				

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71247	18Ed. 7/10/99 LAST NM 17/03 Delete Beacon "Keppel" (2202 Singapore)	21/03 1°15'45.0"N 103°48'36.1"E	Depth 21.9 meters Depth 12.2 meters	9°52.0"S 128°38.0"E 10°08.0"S 129°31.0"E
71251	11Ed. 12/16/00 LAST NM 15/03 (Panel A) Delete Legend "Being Reclaimed (1999)" and add land tint to area bound by shore and dashed line in vicinity (BA CH 4043)	21/03 1°20'24.0"N 104°01'04.0"E	Substitute Depth 14.9 meters for 12.8 meters Depth 10.3 meters for 9.1 meters Depth 10.4 meters for 11.3 meters Depth 10.5 meters for 11.2 meters Depth 12.8 meters for 13.5 meters Depth 14.3 meters for 15.2 meters	9°53.8"S 129°24.1"E 9°53.5"S 129°18.5"E 9°48.5"S 129°06.0"E 9°37.0"S 128°52.6"E 9°43.4"S 128°55.5"E 9°55.0"S 128°34.5"E
71253	10Ed. 12/27/97 LAST NM 17/03 Delete Beacon "Keppel" (2202 Singapore)	21/03 1°15'45.2"N 103°48'35.0"E	Add Depth 11.5 meters enclosed by depth contour (20-meter) Depth 14.8 meters enclosed by depth contour (20-meter) Depth 15.4 meters enclosed by depth contour (20-meter) Depth 10.5 meters enclosed by depth contour (20-meter)	10°08.0"S 129°33.0"E 9°39.0"S 128°58.0"E 9°47.7"S 128°35.7"E 9°52.9"S 128°34.4"E
72000	8Ed. 8/5/95 LAST NM 20/03 Add Dangerous wreck [K28] (46372)02 Jakarta)	21/03 6°52.1"S 112°44.9"E	Depth 13.1 meters Depth 13.1 meters	9°53.2"S 129°32.7"E 9°57.2"S 129°34.9"E
72035	8Ed. 9/26/98 LAST NM 8/03 Add Dangerous wreck [K28] (46372)02 Jakarta)	21/03 6°52.1"S 112°44.9"E		
72231	8Ed. 5/9/98 LAST NM 31/02 Add Dangerous wreck [K28] (46372)02 Jakarta)	21/03 6°52'04"S 112°44'52"E	Substitute Depth 11.5 meters for 12.2 meters Depth 14.9 meters for 12.8 meters Depth 13.1 meters for 9.1 meters	10°08.0"S 129°33.0"E 9°53.8"S 129°24.1"E 9°53.2"S 129°32.7"E
73000	9Ed. 2/3/96 LAST NM 20/03 Delete Depth 17.6 meters Depth 11.6 meters	21/03 9°52.3"S 129°06.5"E 9°45.5"S 129°04.4"E	Add Depth 10.5 meters	9°52.9"S 128°34.4"E
	Substitute Depth 12.8 meters for 13.5 meters Depth 10.4 meters for 11.3 meters	9°43.5"S 128°55.7"E 9°48.3"S 129°06.3"E		
	Add Depth 14.8 meters Depth 10.5 meters Depth 10.4 meters Depth 19 meters Depth 17.1 meters	9°39.0"S 128°58.0"E 9°52.9"S 128°34.4"E 9°45.5"S 128°04.7"E 9°37.7"S 128°56.5"E 9°51.6"S 128°33.3"E		
	Depth 15.4 meters, blue tint and enclosing depth contour (20-meter) centered	9°47.7"S 128°35.7"E		
	Depth 32 meters enclosed by depth contour (50-meter)	9°38.6"S 128°33.7"E		
	(18499)00 Wollongong)			
73020	9Ed. 11/4/95 LAST NM 9/03 Delete Depth 7 fathoms Depth 10 fathoms "Rep (1985)" Depth 6½ fathoms "Rep (1967)" Depth 24 fathoms "Rep (1980)" Depth 12 fathoms	21/03 9°57.3"S 129°32.8"E 9°52.3"S 129°42.0"E 9°47.3"S 129°02.5"E 9°48.0"S 128°35.0"E 9°52.0"S 128°38.0"E	Substitute Depth 7 ¼ fathoms for 5 fathoms Depth 8 ¼ fathoms for 7 fathoms Depth 5 ¾ fathoms for 5 fathoms Depth 5 ¾ fathoms for 6 fathoms Depth 5 ¾ fathoms for 6 ½ fathoms Depth 7 fathoms for 7 ¼ fathoms Depth 7 ¾ fathoms for 8 ¼ fathoms	9°53.2"S 129°32.7"E 9°53.8"S 129°24.1"E 9°53.5"S 129°18.5"E 9°48.3"S 129°06.3"E 9°37.0"S 128°52.6"E 9°43.4"S 128°55.5"E 9°55.0"S 128°34.5"E
	Add Depth 6 ¼ fathoms Depth 7 ¼ fathoms	10°08.0"S 129°33.0"E 9°57.2"S 129°34.9"E	Add Depth 1 f meter	17°14'31"S 146°24'58"E 17°14'18"S 146°23'15"E 17°16'25"S 146°25'04"E
	Depth 8 fathoms enclosed by depth contour (10-fathom)	9°39.0"S 128°58.0"E		17°16'24"S 146°24'55"E
	Depth 8 ¼ fathoms enclosed by depth contour (10-fathom)	9°47.7"S 128°35.7"E	Depth 16.3 meters enclosed by depth contour (20-meter)	17°14'20"S 146°23'18"E
	Depth 5 ¾ fathoms, blue tint and enclosing depth contour (6-fathom)	9°52.9"S 128°34.4"E	Depth 17.4 meters enclosed by depth contour (20-meter)	17°14'13"S 146°24'53"E
	(18499)00 Wollongong)			
74009	10Ed. 7/29/95 LAST NM 9/03 Delete Depth 14.6 meters Depth 12.8 meters Depth 9.1 meters Depth 18.3 meters Depth 11.9 meters "Rep (1967)" Depth 22 meters Depth 44 meters "Rep (1980)" Depth 16.4 meters "Rep (1843)" Depth 18 meters	21/03 9°54.6"S 129°33.9"E 9°57.3"S 129°32.8"E 9°53.2"S 129°31.6"E 9°52.3"S 129°06.5"E 9°47.3"S 129°02.5"E 9°40.5"S 128°56.0"E 9°48.0"S 128°35.0"E 9°44.3"S 128°28.3"E 9°54.0"S 128°34.5"E	Substitute Depth 25 meters Depth 17.8 meters Depth 3.6 meters	17°14'31"S 146°24'58"E 17°14'18"S 146°23'15"E 17°16'25"S 146°25'04"E
74253	6Ed. 5/10/97 LAST NM 20/03 Delete Depth 25 meters Depth 17.8 meters Depth 3.6 meters	21/03 17°14'31"S 146°24'58"E 17°14'18"S 146°23'15"E 17°16'25"S 146°25'04"E	Add Depth 1 meter	17°16'24"S 146°24'55"E
	(continued on next page)			

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74253	(Continued)				
	Depth 16.3 meters enclosed by depth contour (20-meter)	17°14'20"S 146°23'18"E			
	Depth 17.4 meters enclosed by depth contour (20-meter)	17°14'13"S 146°24'53"E			
	(5(159)03 Wollongong)				
74265	2Ed. 7/12/97 LAST NM 16/03	21/03			
Delete	Depth 25 meters	17°14.5'S 146°25.0'E			
Substitute	Depth 16.3 meters enclosed by depth contour (20-meter) for 17.8 meters	17°14.3'S 146°23.3'E			
Add	Depth 17.4 meters enclosed by depth contour (20-meter)	17°14.2'S 146°24.9'E			
	(5(159)03 Wollongong)				
94016	2Ed. 9/23/95 LAST NM 17/03	21/03			
Add	Submarine cable [L30.1] joining	25°07.8'N 123°01.2'E 25°10.4'N 123°08.9'E 25°33.8'N 124°14.1'E 25°47.9'N 124°41.8'E 26°36.9'N 125°45.1'E 26°43.1'N 126°05.0'E 27°05.6'N 126°36.3'E 27°27.2'N 127°07.0'E 27°35.0'N 127°16.1'E 27°53.0'N 127°26.0'E 28°20.6'N 127°29.7'E 28°31.8'N 127°19.7'E 28°41.2'N 127°15.5'E 29°24.2'N 127°13.9'E 29°26.6'N 127°14.6'E 29°44.0'N 127°14.5'E 29°56.0'N 127°14.5'E 30°16.9'N 127°14.3'E 30°49.9'N 127°14.4'E 31°00.0'N 127°14.5'E			
	(9(125)03 Inchon)				
94028	7Ed. 9/16/95 LAST NM 17/03	21/03			
Add	Submarine cable [L30.1] joining	30°30.0'N 127°14.4'E 30°49.9'N 127°14.4'E 31°06.5'N 127°15.8'E 31°30.9'N 126°59.6'E 32°00.7'N 126°28.7'E 32°31.1'N 125°57.1'E 32°53.5'N 125°33.5'E 33°17.1'N 125°08.7'E 33°40.6'N 124°43.8'E 34°17.0'N 124°25.2'E 34°50.0'N 124°19.7'E 35°01.5'N 124°17.5'E 35°09.9'N 124°16.1'E 35°25.9'N 124°13.5'E 35°26.1'N 124°13.4'E 35°30.5'N 124°13.7'E 35°31.3'N 124°13.7'E 35°35.2'N 124°19.6'E 35°54.1'N 124°47.1'E 36°04.1'N 125°01.9'E 36°09.7'N 125°10.3'E 36°13.9'N 125°16.6'E 36°21.5'N 125°28.1'E 36°24.8'N 125°33.1'E 36°27.4'N 125°36.7'E 36°35.0'N 125°53.5'E 36°39.0'N 125°58.0'E 36°44.4'N 126°01.3'E 36°48.7'N 126°03.6'E 36°50.1'N 126°07.1'E 36°50.4'N 126°11.4'E			
	(9(125)03 Inchon)				
94033	5Ed. 10/28/95 LAST NM 19/03	21/03			
Add	Submarine cable [L30.1] joining	36°50.4'N 126°11.4'E 36°51.7'N 126°09.9'E 36°50.1'N 126°07.1'E 36°48.2'N 126°02.6'E 36°44.4'N 126°01.8'E 36°39.0'N 125°58.0'E 36°36.7'N 125°56.6'E 36°36.2'N 125°56.6'E			
	(9(125)03 Inchon)				
94120	6Ed. 9/9/95 LAST NM 18/03	21/03			
Add	Submarine cable [L30.1] joining	25°07.8'N 123°01.2'E 25°10.4'N 123°08.9'E 25°12.2'N 123°14.0'E			
	(9(125)03 Inchon)				
95060	13Ed. 8/5/95 LAST NM 19/03	21/03			
Add	Submarine cable [L30.1] joining	36°50.4'N 126°11.4'E 36°51.7'N 126°09.9'E 36°50.1'N 126°07.1'E 36°48.7'N 126°03.6'E 36°48.2'N 126°02.6'E 36°44.4'N 126°01.8'E 36°39.0'N 125°58.0'E 36°36.7'N 125°56.6'E 36°36.2'N 125°56.6'E			
	(9(125)03 Inchon)				
95066	11Ed. 11/21/98 LAST NM 19/03	21/03			
Add	Danger circle "Obstn" [K40] (38(469)00 Inchon)	37°05'06"N 126°12'50"E			
95080	13Ed. 6/24/95 LAST NM 19/03	21/03			
Add	Submarine cable [L30.1] joining	36°50'25"N 126°11'26"E 36°51'44"N 126°09'56"E 36°50'06"N 126°07'06"E 36°48'40"N 126°03'37"E 36°48'11"N 126°02'37"E 36°47'26"N 126°01'45"E 36°44'24"N 126°01'19"E 36°39'01"N 125°58'01"E 36°36'41"N 125°56'37"E 36°35'07"N 125°54'49"E 36°35'00"N 125°53'33"E 36°34'48"N 125°51'12"E 36°34'37"N 125°49'08"E 36°34'17"N 125°47'04"E 36°27'27"N 125°36'40"E 36°24'51"N 125°33'05"E 36°21'31"N 125°28'06"E 36°20'51"N 125°27'06"E 36°13'52"N 125°16'36"E 36°09'42"N 125°10'20"E 36°04'05"N 125°02'00"E			
	(9(125)03 Inchon)				
95120	7Ed. 12/2/95 LAST NM 14/03	21/03			
Change	Visibility (range) of light to 6M (17(720)99 Tokyo)	32°37'26"N 128°46'21"E			
95140	15Ed. 10/7/95 LAST NM 17/03	21/03			
Change	Light (F Fl R) to Fl G 3s 12m 6M (20(853)99 Tokyo; Jpn LL)	34°31'49"N 129°27'12"E			
95141	8Ed. 8/5/95 LAST NM 19/03	21/03			
Add	Buoy Y, can (38(466)00 Inchon)	34°27'56"N 127°31'22"E			
95144	9Ed. 5/15/99 LAST NM 16/03	21/03			
Add	Dashed-line circle "Marine farm" Dashed-line circle "Marine farm" (40(381)00 Inchon)	34°58'52"N 128°30'18"E 34°58'47"N 128°30'10"E			
95146	14Ed. 5/14/94 LAST NM 16/03	21/03			
Add	"Marine farm" area bound by dashed line joining	34°58'53"N 128°30'12"E 34°58'57"N 128°30'18"E 34°58'52"N 128°30'25"E 34°58'47"N 128°30'20"E			
	"Marine farm" area bound by dashed line joining	34°58'52"N 128°30'08"E 34°58'46"N 128°30'15"E 34°58'42"N 128°30'10"E 34°58'47"N 128°30'03"E			
	(40(381)00 Inchon)				
95160	13Ed. 8/19/95 LAST NM 19/03	21/03			
Change	Visibility (range) of light to 13M Light (F Fl R) to Fl G 3s 12m 6M (38(459)00 Inchon; 20(853)99 Tokyo; Jpn LL)	36°01.6'N 129°25.9'E 34°31.8'N 129°27.2'E			

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95163	2Ed. 6/4/94 LAST NM 17/03 Delete Fish haven area and blue tint [K46.1] bound by dotted line (limiting danger line) joining	21/03	Depth 2.8 meters Obstn [K41] 43°06'26.0"N 131°55'54.4"E Depth 1 meter 43°06'34.7"N 131°54'54.9"E Depth 0.9 meter Obstn [K41] 43°06'37.7"N 131°54'38.1"E Depth 2.6 meters 43°06'19.1"N 131°54'19.5"E Depth 0.5 meter Obstn [K41] 43°02'22.9"N 131°54'24.2"E
	(See 9/03-95163)		Double solid line with land tint (pontoon) [F16] between 43°06'39.9"N 131°54'25.4"E 43°06'41.5"N 131°54'25.6"E
Change	Visibility (range) of light to 13M	36°01'38.8"N 129°25'54.0"E	(46(7254), 53(8385)02 St. Petersburg)
Add	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	21/03	96120 6Ed. 8/19/95 LAST NM 30/02 Add Wreck [K29] (48(7563)02 St. Petersburg)
	35°52'04.0"N 129°32'55.0"E 35°56'55.0"N 129°33'56.0"E 35°55'35.0"N 129°33'40.0"E 35°55'43.0"N 129°32'39.0"E		47°53'01"N 139°35'04"E
	(14(180), 38(459)00 Inchon)		96382 2Ed. 7/22/89 LAST NM 12/03 Add Period 6s to buoy Period 6s to buoy Period 6s to buoy (48(7559)02 St. Petersburg)
			21/03 51°40'36"N 141°20'00"E 51°45'36"N 141°22'15"E 51°50'24"N 141°24'15"E
95167	10Ed. 9/26/98 LAST NM 17/03 Change Visibility (range) of light to 13M	21/03	96521 3Ed. 3/21/98 LAST NM N19/02 (Plan D) Add Stranded wreck [K24] (51(8033)02 St. Petersburg)
	(38(459)00 Inchon)		21/03 53°15'54"N 160°01'48"E
95171	1Ed. 12/11/93 LAST NM 9/03 Delete Fish haven area and blue tint [K46.1] bound by existing fish haven and dotted line (limiting danger line) joining	21/03	96948 8Ed. 7/1/95 LAST NM 33/01 Add Beacon BRB, double ball topmark, Fl(2) 5s 10m 6M (17(707)99 Tokyo; Jpn LL)
	36°41'38.5"N 129°29'15.0"E 36°41'41.2"N 129°29'11.0"E 36°41'27.2"N 129°29'37.0"E 36°41'16.2"N 129°29'29.0"E 36°41'30.2"N 129°29'02.0"E 36°41'37.0"N 129°29'20.0"E		21/03 42°30'53"N 140°46'06"E
	(Supersedes 9/03-95171)		
Add	Fish haven area with blue tint [K46.1] bound by existing fish haven and dotted line (limiting danger line) joining	21/03	97101 1Ed. 8/17/85 LAST NM 28/02 Delete "Entry Prohibited" area in vicinity 35°57'54"N 140°41'36"E (17(709)99 Tokyo)
	36°41'38.5"N 129°29'15.0"E 36°41'41.2"N 129°29'11.0"E 36°41'27.2"N 129°29'37.0"E 36°41'16.2"N 129°29'29.0"E 36°41'30.2"N 129°29'02.0"E 36°41'37.0"N 129°29'20.0"E		
	(14(170)00 Inchon)		
95172	1Ed. 8/28/93 LAST NM 9/03 Delete Fish haven area and blue tint [K46.1] bound by existing fish haven and dotted line (limiting danger line) joining	21/03	97108 3Ed. 4/27/85 LAST NM 20/01 Delete "Entry Prohibited" area in vicinity 35°57'54.0"N 140°41'36.0"E (17(709)99 Tokyo)
	36°41'38.5"N 129°29'15.0"E 36°41'41.2"N 129°29'11.0"E 36°41'27.2"N 129°29'37.0"E 36°41'16.2"N 129°29'29.0"E 36°41'30.2"N 129°29'11.0"E 36°41'37.0"N 129°29'20.0"E		
	(Supersedes 9/03-95172)		
Add	Fish haven area with blue tint [K46.1] bound by existing fish haven and dotted line (limiting danger line) joining	21/03	97166 1Ed. 9/26/92 LAST NM 33/02 Add Light Fl G 4s 9m 3M (18(754)99 Tokyo)
	36°41'38.5"N 129°29'15.0"E 36°41'41.2"N 129°29'11.0"E 36°41'27.2"N 129°29'37.0"E 36°41'16.2"N 129°29'29.0"E 36°41'30.2"N 129°29'02.0"E 36°41'37.0"N 129°29'20.0"E		21/03 34°42'22"N 138°58'49"E
	(14(170)00 Inchon)		
95180	11Ed. 6/15/96 LAST NM 10/03 Change Visibility (range) of light to 13M	21/03	97167 2Ed. 9/9/95 LAST NM 33/02 Add Light Fl G 4s 9m 3M (18(754)99 Tokyo)
	(38(459)00 Inchon)		21/03 34°42'22"N 138°58'49"E
95270	4Ed. 11/9/91 LAST NM 20/03 Add Beacon BRB, double ball topmark, Fl(2) 5s 4.7m 6M	21/03	97182 13Ed. 1/1/94 LAST NM 20/03 Add Light Fl G 3s 8m 3M (16(672)99 Tokyo)
			21/03 34°38'13.0"N 137°06'19.0"E
95320	15Ed. 6/28/97 LAST NM 20/03 Add Submarine cable [L30.1] joining	21/03	97228 15Ed. 1/24/98 LAST NM 20/03 Delete Dashed line between (7(198)02 Tokyo)
	34°58'42"N 132°07'36"E 35°00'00"N 132°07'54"E 35°28'13"N 132°01'54"E		21/03 34°38'50.5"N 135°24'42.5"E 34°38'43.6"N 135°24'47.0"E
	(16(665)99 Tokyo)		
96042	11Ed. 6/19/82 LAST NM 10/03 Add Stranded wreck [K24]	21/03	97243 8Ed. 3/7/98 LAST NM 6/03 Substitute Solid line for dashed line in vicinity 34°14'16.0"N 133°05'53.0"E
			Add Light Fl G 4s 8m 3M (17(716)99 Tokyo)
			21/03 34°14'16.0"N 133°05'53.0"E
			97261 15Ed. 1/31/98 LAST NM 18/03 Add Light Fl R 3s 9m 3M (20(851)99 Tokyo)
			21/03 34°16'48"N 132°45'22"E
			97262 10Ed. 1/24/98 LAST NM 15/03 Delete Disused submarine cable between
			34°06'23.7"N 132°59'25.3"E 34°05'37.1"N 132°59'22.3"E
			Substitute Solid line for dashed line in vicinity 34°14'16.0"N 133°05'53.0"E
			Add Light Fl G 4s 8m 3M (17(716), 18(758)99 Tokyo)
			21/03 34°14'16.0"N 133°05'53.0"E

97263	10Ed. 1/24/98 LAST NM 18/03 Delete Disused submarine cable between (18(758)99 Tokyo)	21/03 34°06'23.7"N 132°59'25.3"E 34°05'37.1"N 132°59'22.3"E
97341	9Ed. 9/27/97 LAST NM 16/03 Delete Buoy (18(761)99 Tokyo)	21/03 31°26'47"N 131°11'48"E
97392	5Ed. 2/15/97 LAST NM 1/03 Change Visibility (range) of light to 6M (17(720)99 Tokyo)	21/03 32°37'26"N 128°46'21"E
★97400	3Ed. 10/28/89 LAST NM 17/03 Add Danger circle "Obstn (marked by buoys)" [K40] (NTM0015/2003)	21/03 33°08'29.0"N 129°42'38.0"E
97460	7Ed. 8/17/96 LAST NM 19/03 Add Submarine cable [L30.1] joining (9(125)03 Inchon)	21/03 26°46.8'N 126°10.0'E 27°05.6'N 126°36.3'E 27°27.2'N 127°07.0'E 27°35.0'N 127°16.1'E 27°53.0'N 127°26.0'E 28°20.6'N 127°29.7'E 28°31.8'N 127°19.7'E 28°40.0'N 127°15.6'E
97461	9Ed. 12/28/96 LAST NM 19/03 Add Submarine cable [L30.1] joining (9(125)03 Inchon)	21/03 27°04'40"N 126°34'55"E 27°05'36"N 126°36'18"E 27°13'14"N 126°46'30"E
97480	7Ed. 6/1/96 LAST NM 18/03 Add Submarine cable [L30.1] joining (9(125)03 Inchon)	21/03 25°07.8'N 123°01.2'E 25°10.4'N 123°08.9'E 25°33.8'N 124°14.1'E 25°47.9'N 124°41.8'E 26°05.0'N 125°04.2'E

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Chart 11324

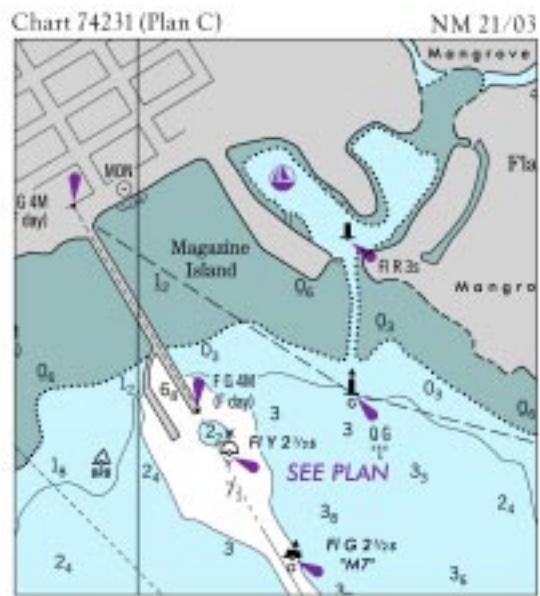


Chart 11326 (Page C)



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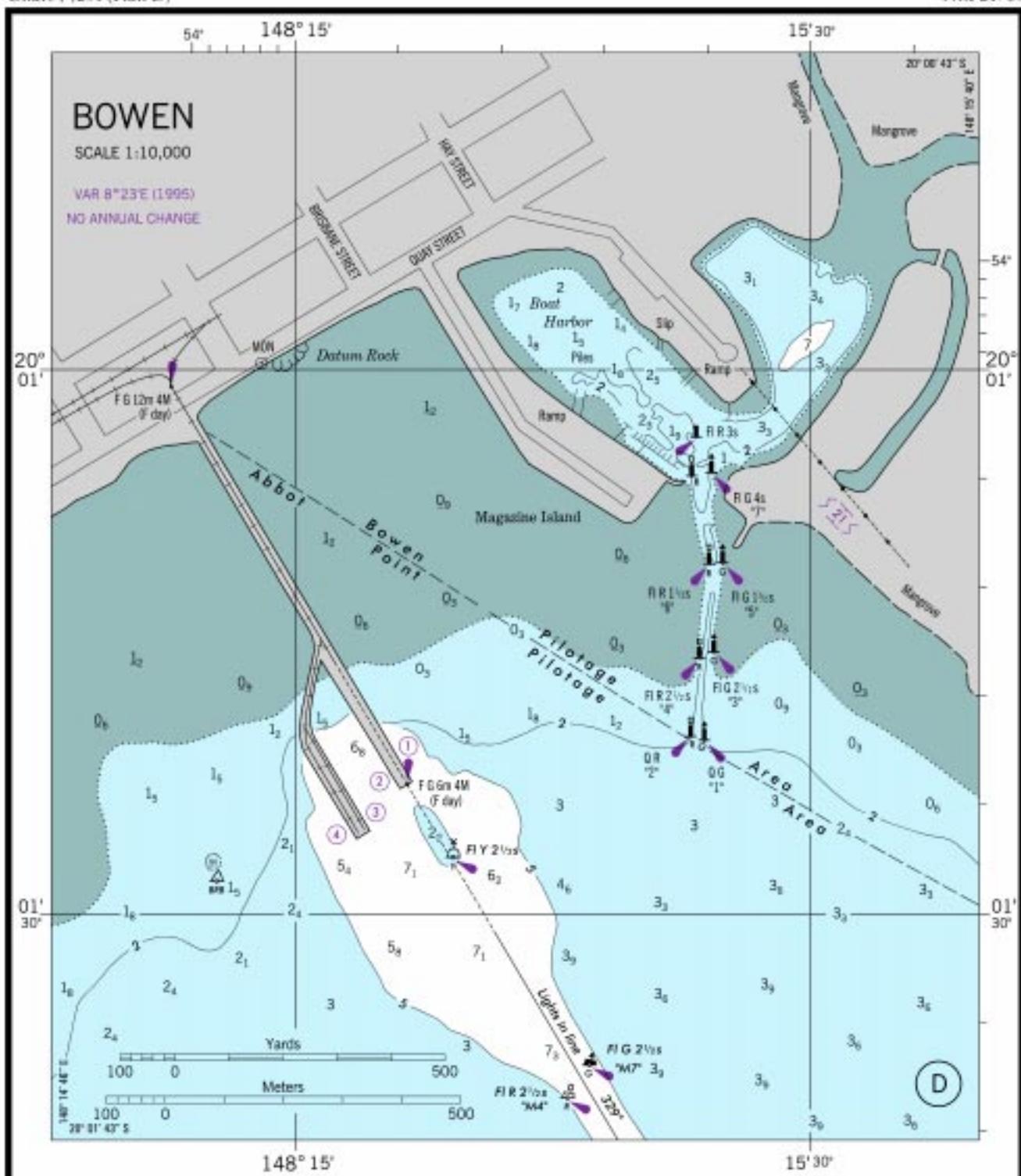


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Chart 74231 (Plan D)

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SECTION I

Chart 14850

NM 21/03

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.0	26.9	25.6	17.4	9-96; 4,5,7-02	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9C	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14852

NM 21/03

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.0	26.9	25.6	17.4	9-96; 4,5,7-02	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 7,9-01	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	27.2	25.9	9,10-96; 5,6,10-99; 7,8,9-01	1000-1400	7.9	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.
 D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.
 E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14853 (Page 37)

NM 21/03

ST. CLAIR RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.0	26.9	25.6	17.4	9-96; 4,5,7-02	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 7,9-01	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	27.2	25.9	9,10-96; 5,6,10-99; 7,8,9-01	1000-1400	7.9	27

A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.
 C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.
 D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.
 E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 21/03

Chart 18502

NM 21/03

GRAYS HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2003 AND SURVEYS TO FEB 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	46.1	46.7	46.4	6-02	1000	4.6 46
ENTRANCE CHANNEL	32.9	39.6	37.7	6-02; 10-02	900-800	1.8 42
PT CHEHALIS REACH	34.8	38.5	36.3	10-02	600	1.2 40
SOUTH REACH	34.8	38.0	35.5	9-02; 10-02	600-350	4.1 36
CROSSOVER CHANNEL	30.8	36.2	32.0	9-02; 11-02	350-450	2.5 36
NORTH CHANNEL	37.1	36.6	37.1	5-02; 1-03	450-350	2.4 36
HOQUIAM REACH	37.5	36.6	37.0	1-03	350	1.9 36
COW POINT REACH	35.4	35.7	33.7	12-02; 1-03; 2-03	350-900	1.8 36
ABERDEEN REACH	27.8	29.8	29.0	10-01; 2-02; 2-03	550-200	2.6 30
TURNING BASIN	32.5	32.4	24.5	1-02	200-550	3 30
THENCE TO COSMOPOLIS	26.5	26.9	27.7	1-02	200	.8 30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18521

NM 21/03

BAKER BAY WEST CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
ENTRANCE TO 46°16'17.91"N 124°01'50.00"W	5	10	14	1-03	150	1.3 10
46°16'17.91"N 124°01'50.00"W TO FORT CANBY	10	13	14	10-00; 1-03	150	1.3 10
THENCE TO ILWACO	14	16	15	10-00	150	0.9 10
MOORING BASIN A B	3	3	3	1980	-	- - -

A. SHOALING TO 2 FEET ON RIGHT HALF, BETWEEN THE BREAKWATERS.
B. BASIN LOCALLY MAINTAINED. NO RECENT SURVEYS AVAILABLE.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18622

NM 21/03

HUMBOLDT BAY AND HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
BAR CHANNEL	36.5	37.3	35.3	33.3	1-03	2100-750 1.0 48
ENTRANCE CHANNEL	29.2	37.5	44.5	42.4	1-03	750 0.8 48
NORTH BAY CHANNEL	35.3	37.0	36.7	26.7	1-03	400-500 3.0 38
EUREKA CHANNEL						
OUTER REACH	31.8	32.8	31.5	22.6	1-03	400 0.4 38
INNER REACH	11.1A	12.9B	18.8C	12.3D	1-03	400 1.1 26
SAMOA CHANNEL	37.3	37.7	36.8	35.4	1-03	400 1.3 38
TURNING BASIN	34.5	37.1	37.1	27.7	1-03	400-1000 0.3 38
FIELDS LANDING CHANNEL	25.5	26.6	25.8	19.6	1-03	300 1.9 26
TURNING BASIN	13.5	17.1	28.3	24.0	1-03	300-600 0.1 26

A. SHOALING TO 5.3 FEET FOR LAST 3,000 FEET OF THE REACH.
B. SHOALING TO 5.7 FEET FOR LAST 3,000 FEET OF THE REACH.
C. SHOALING TO 12.2 FEET FOR LAST 3,000 FEET OF THE REACH.
D. SHOALING TO 9.7 FEET AT 40°48'19.98", SHOALING TO 5.2 FEET FOR LAST 3,000 FEET OF THE REACH.

NOTE-CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

Chart 18649

NM 21/03

OAKLAND OUTER AND INNER HARBORS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	42.3	42.2	43.2	43.0	12-02	1000-930 0.57 42
OUTER HARBOR ENTRANCE CHANNEL	38.6	40.5	42.2	41.0	12-02	900-600 0.91 42
OUTER HARBOR	40.5	40.6	41.4	40.0	12-02	1575-600 1.40 42
INNER HARBOR						
ENTRANCE CHANNEL	41.8	42.0	42.0	41.6	12-02	2100-480 1.10 42
INNER HARBOR REACH	41.1	41.1	40.4	40.0	12-02	1325-480 2.27 42
GROVE ST PIER TO						
BROOKLYN BASIN	A22.3	33.4	34.5	B24.2	2-01;12-02	600 1.30 42
BROOKLYN BASIN SOUTH CHANNEL	C14.4	22.8	23.7	D9.7	2-01	600-500 0.90 42
PARK ST BRIDGE REACH	13.9	20.3	23.5	11.3	7-86;3-88	500-275 0.42 42

A. A DEPTH OF 32.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 33.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 19.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 19.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18649

NM 21/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SOUTHAMPTON SHOAL CHANNEL	43.5	43.7	43.9	43.3	4-02	600 1.1 45
RICHMOND HARBOR						
ENTRANCE CHANNEL	34.4	36.0	36.6	36.6	1-03	600-550 1.0 35
POINT POTRERO REACH	35.1	35.3	35.5	34.2	1-03	500-600 1.4 35
POINT POTRERO TURN	36.0	35.2	36.3	34.9	1-03	600-1250 0.6 35
HARBOR CHANNEL	35.9	36.1	36.7	35.5	1-03	850-200 0.5 35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99;1-03	200 0.5 35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500 0.16 30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18650

NM 21/03

OAKLAND OUTER AND INNER HARBORS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL	42.3	42.2	43.2	43.0	12-02	1000-930 0.57 42
OUTER HARBOR ENTRANCE CHANNEL	38.6	40.5	42.2	41.0	12-02	900-600 0.91 42
OUTER HARBOR	40.5	40.6	41.4	40.0	12-02	1575-600 1.40 42
INNER HARBOR						
ENTRANCE CHANNEL	41.8	42.0	42.0	41.6	12-02	2100-480 1.10 42
INNER HARBOR REACH	41.1	41.1	40.4	40.0	12-02	1325-480 2.27 42
GROVE ST PIER TO						
BROOKLYN BASIN	A22.3	33.4	34.5	B24.2	2-01;12-02	600 1.30 42
BROOKLYN BASIN SOUTH CHANNEL	C14.4	22.8	23.7	D9.7	2-01	600-500 0.90 42
PARK ST BRIDGE REACH	13.9	20.3	23.5	11.3	7-86;3-88	500-275 0.42 42

A. A DEPTH OF 32.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 33.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 19.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 19.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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Chart 18652 (Page E)

NM 21/03

SUISUN BAY AND SAN JOAQUIN RIVER						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE INSIDE CHANNEL	RIGHT INSIDE CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SUISUN PT. REACH	44.3	45.5	47.2		2-03	300 0.8 35
BULLS HEAD CHANNEL	36.4	35.7	34.5		2-03	300-350 1.2 35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7		2-03	350 1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2		2-03	350 1.1 35
PRESTON PT. REACH	35.5	35.7	24.4		2-03	350 0.9 35
ROE ISLAND CHANNEL	33.2	35.8	33.0		2-03	350 1.1 35
PORT CHICAGO REACH	38.0	38.0	38.1		2-03	350 0.52 35
MIDDLE GROUND CHANNEL						
WEST REACH	37.4	37.7	36.4		2-03	350 1.29 35
EAST REACH	36.4	38.2	36.8		2-03	350 1.09 35
NEW YORK SLOUGH						
WEST REACH	30.8	33.6	35.7		2-03	400 1.3 35
EAST REACH	33.4	34.2	31.4		2-03	400 1.7 35
SAN JOAQUIN RIVER						
ANTIOCH REACH	32.1	32.9	32.2		4-02	400 3.3 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18653

NM 21/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SOUTHAMPTON SHOAL CHANNEL	43.5	43.7	43.9	43.3	4-02	600 1.1 45
RICHMOND HARBOR						
ENTRANCE CHANNEL	34.4	36.0	36.6	36.6	1-03	600-550 1.0 35
POINT POTRERO REACH	35.1	35.3	35.5	34.2	1-03	500-600 1.4 35
POINT POTRERO TURN	36.0	35.2	36.3	34.9	1-03	600-1250 0.6 35
HARBOR CHANNEL	35.9	36.1	36.7	35.5	1-03	850-200 0.5 35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,1-03	200 0.5 35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500 0.16 30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18656

NM 21/03

SUISUN BAY						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SUISUN PT. REACH	44.3	45.5	47.2		2-03	300 0.8 35
BULLS HEAD CHANNEL	36.4	35.7	34.5		2-03	300-350 1.2 35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7		2-03	350 1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2		2-03	350 1.1 35
PRESTON PT. REACH	35.5	35.7	24.4		2-03	350 0.9 35
ROE ISLAND CHANNEL	33.2	35.8	33.0		2-03	350 1.1 35
PORT CHICAGO REACH	38.0	38.0	38.1		2-03	350 0.52 35
MIDDLE GROUND CHANNEL						
WEST REACH	37.4	37.7	36.4		2-03	350 1.29 35
EAST REACH	36.4	38.2	36.8		2-03	350 1.09 35
NEW YORK SLOUGH						
WEST REACH	30.8	33.6	35.7		2-03	400 1.3 35
EAST REACH	33.4	34.2	31.4		2-03	400 1.7 35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

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Chart 18657

NM 21/03

SUISUN BAY					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300 0.8 35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350 1.2 35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350 1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350 1.1 35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18658

NM 21/03

SUISUN BAY					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350 1.1 35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350 1.1 35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350 0.9 35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350 1.1 35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350 0.52 35
MIDDLE GROUND CHANNEL					
WEST REACH	37.4	37.7	36.4	2-03	350 1.29 35
EAST REACH	36.4	38.2	36.8	2-03	350 1.09 35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18659

NM 21/03

SUISUN BAY					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
NEW YORK SLOUGH					
WEST REACH	30.8	33.6	35.7	2-03	400 1.3 35
EAST REACH	33.4	34.2	31.4	2-03	400 1.7 35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18666

NM 21/03

SUISUN BAY					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
MIDDLE GROUND CHANNEL					
WEST REACH	37.4	37.7	36.4	2-03	350 1.29 35
EAST REACH	36.4	38.2	36.8	2-03	350 1.09 35
NEW YORK SLOUGH					
WEST REACH	30.8	33.6	35.7	2-03	400 1.3 35
EAST REACH	33.4	34.2	31.4	2-03	400 1.7 35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11309	36	21,26,28,36,46/02;1,6, 7/03	11374	31	45*,49,50/02;1,2,7,8,9, 19,20/03	11491	33	18,22,28,29,30,34,37, 38/02;12/03
20	3	18/03	11310	1	N21,N46/02	11375	35	1*,2,5,7,9,20/03	11493	9	N24,N39/02;N12,N20/03
22	1	18/03	11311	23	15*,21,46/02	11376	48	15,16,21,22,23,25,27,29, 31,40,43,50/02;2,7,19,20, 21/03	11494	8	N24,N39/02
50	5	17/02	11312	3	21,26,28,36,46/02;1,6, 7/03	11377	4	26*,40,50/02;2,20,21/03	11495	16	19/02*
52	1	18/02	11313	22	31/02	11378	32	11*,12,18,20,21/03	11496	9	N32,N35/02;N1,N17, N19/03
53	2	17/02	11314	22	17*,21/03	11382	39	46*,02*,9/03	11498	16	19/02*
70	4	7/03	11315	30	37/02*	11383	49	19*,22,27,30,32/02;9, 18/03	11502	28	14,17,20/03
71	4	7/03	11316	39	17/03*	11384	32	18,22,30,32/02;9/03	11503	39	38*,39,43/02;12,14,17, 20/03
72	4	7/03	11317	29	20*,21,25,37,40,49/02; 16,19,20,21/03	11385	25	23/02*	11504	15	12/03
101	3	48/02	11318	1	N21,N29,N46/02;N6/03	11388	16	17/02	11505	1	16,18,26,28,31,34,40, 49/02;1,4,5,11/03
103	5	16/03	11319	31	17*,19,20/03	11389	32	18,23,28,33,37/02;2,7/03	11506	40	10*,19/03
108	9	32,35/02	11320	1	N28/02	11390	22	23*,27,33,34,37/02;7, 21/03	11507	31	9*,12,20/03
124	10	18/03	11321	29	22,28,39,40,41,45/02	11391	22	18,23,33,34/02;7,21/03	11508	21	10/03*
125	7	21/03	11322	28	19*,20/03	11392	6	34/02;21/03	11509	27	20/02;1,11/03
126	39	21/03	11323	59	26*,28,33,37,39,45/02;1, 6,7,9,20/03	11393	20	18/02	11510	18	34/02
301	1	14,21/03	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10,16,20,21/03	11400	34	23,39/02;4,9,11,12,13/03	11511	16	11/03
302	1	2/03	11325	34	19*,21,24,35,37,49/02;4,	11401	29	23/02	11512	59	10*,11,15,20/03
310	20	21,14,21/03	11326	31	7*,9,16,20,21/03	11404	21	15,23,50/02;9,19/03	11513	23	18,32,49/02;1/03
400	3	23,26,31,32,33,35,45/02	11327	30	16,21,22,24,28,37,49/02;	11405	28	31/02*,9,19/03	11514	26	37*,40,49/02;4,5,15/03
401	5	22,23,26,31,33,35,45/02; 14/03	11328	22	21,36,37,39,47,49/02;4,6, 16,20,21/03	11406	11	9/03	11516	29	18,24,37,49/02
411	49	19/03*	11329	34	21,24,36,37,39,47,49/02;	11407	18	15/02*	11517	17	32/02
500	7	21/03	11330	31	14*,9,16,20,21/03	11408	28	3/03*	11518	33	14*,19/03
501	12	9*,10,18,21/03	11331	14	2*,4,6,7,8,17,19,20,21/03	11409	27	4,11/03	11520	40	31*,39,40,44,46,51/02;4, 6,7,8,19/03
502	2	52/02	11332	28	42*,43,49,51/02;6,17,19, 20/03	11411	14	43*,45/02;7,20/03	11521	26	15*,17,32,35/02;9,19/03
507	2	45/02	11333	1	N28/02	11412	41	42*,45/02;1,6,7,11,12,13, 14,20/03	11523	21	15*,17,32,35,52/02;5,9, 19/03
508	2	15,24,45/02	11334	22	21,36,37,39,47,49/02;4,6, 16,20,21/03	11415	5	42*,45/02;1,2,7,14,20/03	11524	46	8*,11,12,13,15,17,19, 20/03
513	6	17,38/02	11335	34	21,24,36,37,39,47,49/02;4,8,	11416	5	42*,48/02;1,2,6,11,12,14, 20/03	11525	6	N17,N19,N23,N39,N40, N44,N46,N51/02;N4,N6, N8/03
520	127	20,38/02	11336	67	2*,5,6,7,8,9,14,17,18,19, 10,18,21/03	11420	27	20*,21/03	11526	10	20/03*
521	11	17/02	11337	40	2*,5,6,7,8,9,14,17,18,19, 21/03	11423	7	N20,N24,N39,N42/02; N4,N8,N15,N21/03	11527	16	37/02;20/03
522	87	18/02	11338	39	14*,17,21/03	11424	18	14/03	11531	21	31/02*,11/03
523	8	17/02	11339	51	17,21,23,24,30,37,43, 49/02;4,8,17,20,21/03	11425	34	46*,49/02;4/03	11532	20	15*,37/02
524	12	18,47/02	11340	36	17,21,23,37,40,49/02;4,8, 17,19,20/03	11426	35	31/02*	11534	32	17/03*
525	3	18/02	11341	35	9*,19/03	11427	33	2/03*	11535	12	25,46/02
526	10	18,47/02;6/03	11342	31	9/03*	11428	32	52/02*,6/03	11536	15	19*,40/02;4,7/03
530	30	22*,26,37,38,40,52/02;6, 10,18,21/03	11343	36	17,21,23,37,40,49/02;4,8, 17,19,20/03	11429	21	47/02*	11537	34	21/03*
531	21	18*,47,52/02;21/03	11344	35	9*,19/03	11430	25	17/03*	11539	18	39,44,51/02;6/03
532	17	17,38/02	11345	31	9/03*	11431	12	31/02*	11541	33	8*,9,14/03
540	16	51/02;16/03	11346	33	42*,43,47,49/02;4,6,7,8, 19,20,21/03	11434	24	21/02*,15,21/03	11542	15	39/02
541	2	6/03	11347	19	13,20/02;6,7,20/03	11435	13	N20/02;N8,N15,N21/03	11543	22	18,29,39/02;8/03
550	7	18,24,45/02;6/03	11348	40	38*,42,51/02	11438	11	7,8,21/03	11544	37	36/02*,8/03
601	4	6,8/03	11349	40	38*,42,51/02	11439	25	15/02*,6,7,15/03	11545	60	45*,47/02;6,8,14/03
602	6	47/02;6/03	11350	24	15/02*	11440	39	36/02;6,7,15,20/03	11547	35	22*,25,29,30,37,47/02;6, 8,14/03
603	6	47/02;10/03	11351	38	20/03*	11441	33	6,7,15/03	11548	38	47/02*
604	5	18/02	11352	36	3*,7,8,9,20/03	11442	30	7,15/03	11550	28	17/03*
605	4	6/03	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7,18,20,	11446	30	36/02;7,15,20/03	11553	28	8/03*
606	1	17/03	11354	23	15,16,19,22,27,28,33,37, 38,40,47,51/02;7,8,20/03	11447	35	38/02*,20/03	11555	38	36/02*,7/03
607	1	17/03	11355	24	15/02*	11448	14	7/03	12200	47	38*,42,52/02;7,12,18/03
621	5	22/02	11356	38	27*,40,51/02	11449	16	7/03	12201	25	N15,N17,N19,N23,N42, N52/02;N7,N12,N18/03
622	9	20,47/02;6/03	11357	35	36*,37,40,42,51/02;6,9, 19,21/03	11450	8	26*,28/02;15/03	12204	35	10/03*
623	9	47/02;19/03	11358	51	23*,24,26,27,31,39,42, 51/02;7,21/03	11451	31	20/03*	12205	27	37*,43,52/02;18/03
624	3	22/02	11359	11	22*,26,39/02	11452	21	31/02*	12206	29	31*,33,38,46/02;10/03
628	8	15,24,45/02	11360	40	1*,2,5,6,8,19/03	11453	16	7/03	12207	20	23,50,52/02;18/03
702	5	7/03	11361	70	21/03*	11454	35	32*,26,27,28,29,30,35, 50/02;7,9,12,21/03	12208	8	18,23,50,52/02;18/03
703	4	46/02;7/03	11362	4	N16,N17,N18,N22,N23, N24,N28,N29,N31,N33, N36,N39,N40,N47/02; N2,N5,N6,N8,N19/03	11456	38	36*,50/02;6,13,15,21/03	12210	36	8/03*
705	3	46,52/02	11363	38	26*,29,35,38,40,43,49, 51/02;4,5,7,18,19,20, 21/03	11457	37	47*,50/02;4,12,21/03	12211	41	10/03*
709	2	50/02;19/03	11364	39	3*,4,5,8,9,18,19,21/03	11458	31	8/03*	12214	44	14*,19/03
800	4	17/02	11365	17	52/02*,9/03	11459	10	16/02;6,17/03	12216	27	47/02*,19/03
803	1	17/02	11366	7	48*,51/02;5,6,7,8,19,	11460	16	12,27,51/02;13/03	12221	73	52/02*,14,6,7,18,19/03
11004	7	15,16,18,22,26,28,31,37, 39,40,42,43,45,47,51/02;	11367	31	16,17,25,33/02;19,21/03	11461	16	12,27,51/02;13/03	12222	43	14*,18/03
11005	36	19,23,24,32,35,44,51/02;	11368	22	38/02*,19,21/03	11462	24	22*,28/02	12223	26	31,35,46/02;7/03
11013	44	18*,20,35,50/02;6,7,8,9, 13,16,21/03	11369	44	9*,18,19,21/03	11463	16	16/02;6/03	12224	23	8/03*
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6,7,8, 19,20,21/03	11370	23	17,31,33,40,51/02;9, 21/03	11464	35	15,24,27,35,50/02;7,9,12, 21/03	12225	53	28*,30,31,47/02;4,6,7, 17/03
11301	23	21,37/02;16/03	11371	35	7/03	11467	36	10*,12/03	12226	16	22,30/02;7/03
11302	29	34*,37/02;16/03	11372	30	2*,7,8,10,19/03	11472	31	8/03*	12228	29	43/02*
11305	1	N21,N26,N29,N36, N46/02;N1,N6,N7/03	11373	42	31*,33,37,40,41,42,45, 49/02;7,9,19,20,21/03	11474	10	16/02;6,17/03	12230	59	52/02*,1,7,14/03
11307	36	28,31/02	11374	35	7/03	11475	16	16/02;6/03	12231	26	31,35,46/02;7/03
11308	22	3*,7,10/03	11375	30	2*,7,8,10,19/03	11476	19	16/02;6/03	12233	35	3*,4,5,6,14/03
11309	1	N21,N26,N29,N36, N46/02;N1,N6,N7/03	11376	42	31*,33,37,40,41,42,45, 49/02;7,9,19,20,21/03	11478	19	15,16,31,49/02;6,19/03	12235	29	30,31,47/02;4,6,7,17/03
11310	23	21,37/02;16/03	11377	35	7/03	11479	4	N15,N24,N27,N28,N29, N35,N50/02;N6/03	12237	26	27,47/02;17/03
11307	36	28,31/02	11378	35	7/03	11480	37	32,35/02;1,17,19/03	12238	37	46/02*,14,7,19/03
11308	22	3*,7,10/03	11379	42	31*,33,37,40,41,42,45, 49/02;7,9,19,20,21/03	11481	4	42*,49/02;6,12,13,19/03	12241	21	16,34,44/02/7/03
11309	23	34*,37/02;16/03	11380	35	7/03	11482	21				

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	
12253	42	33,38,42,46,50/02;10, 13/03	13009	30	42*,48,49/02;1,9,18/03	14024	5	33,36,39/02;12/03	14852	45	19*,21/03	
12254	43	38*,43,44/02	13200	33	25,37,48/02;7,9,18/03	14040	65	40/02	14853	13	21*,23,24,25,26,31, 37/02;7,9,17,21/03	
12255	15	44/02	13201	10	N25,N37,N48/02;N9, N18/03	14043	7	21/03	14854	13	24/02;17/03	
12256	13	19*,33,44/02	13203	12	37/02	14044	44	6/03	14860	35	21,24/02	
12261	28	37*,44/02;7,18/03	13205	36	37,42,45,48/02;1,5/03	14061	27	6,9/03	14862	28	26/02*	
12263	51	38/02*;7,18,20/03	13209	23	37/02	14066	19	6/03	14863	30	24/02	
12264	28	38/02*;7/03	13211	13	21,23,47/02	14067	11	6/03	14864	26	24,37/02	
12266	27	30/02;20/03	13212	35	9*,13/03	14083	30	33/02	14865	16	4/03	
12268	10	22/02*	13213	40	14/03*	14087	58	33/02	14867	25	32/02	
12270	32	9*,18/03	13214	27	34*,45,48/02;5/03	14088	10	41/02*	14871	2	21/02	
12272	29	26*,27,36,45/02;13, 16/03	13215	17	45,48/02;1,5/03	14090	2	33/02	14872	3	21/02	
12273	53	26*,31,36,45,50/02;5,15, 17,19/03	13216	1	N48/02	14091	6	41/02*	14873	2	35/02	
12274	33	37*,50/02;5,15,17/03	13218	38	29,42,45,51/02;5/03	14111	7	14/03	14880	30	33/02;4/03	
12277	31	26*,50/02;8/03	13221	53	29,44,45,51/02;2,5,7/03	14144	29	21/02	14881	31	28*,33/02	
12278	72	26*,36,45/02;19/03	13223	36	15,52/02;2/03	14151	2	37/02	14883	42	17,23/02	
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18/03	13224	36	44/02;5/03	14180	38	21/02	14885	20	51/02	
12281	49	15/02;12,19/03	13226	5	44/02;6,7/03	14203	12	19/02	14901	14	52/02*;5/03	
12282	33	31*,44/02;7,8,18,19/03	13227	13	7/03	14204	21	19/02	14902	28	24,25,31/02;4/03	
12283	24	8,18/03	13228	11	51,52/02	14206	20	19/02	14903	22	23,32/02	
12284	15	7/03	13229	27	17,39,42,45,52/02;1,7, 19/03	14208	28	40/02	14904	25	17,31,32,46/02	
12285	35	11*,14,19/03	13230	46	2*,7,19/03	14221	26	40,46/02	14905	29	31,35,37/02;5/03	
12286	29	2*,4,6/03	13232	4	39,42/02	14222	16	46/02	14906	23	5/03	
12288	19	27/02	13233	16	17/02;10/03	14223	18	3,16/03	14907	25	17/02	
12289	48	10*,19/03	13235	5	17/02	14225	17	38/02;16/03	14910	23	17/03*	
12300	43	19/03*	13236	29	45/02;1,7,19/03	14226	32	40/02;6/03	14911	20	4/03	
12301	21	N20*,N28,N29,N37, N39,N42,N45/02;N5, N17/03	13237	38	17,42,48/02;7,10,20/03	14227	28	40/02;6/03	14912	16	21/03	
12304	43	21/03*	13238	15	21*,34,42,44,52/02; 7,9,18,P21/03	14228	11	40/02;6/03	14916	10	45/02*;17/03	
12311	41	15,18,28,31,42,50,52/02; 8/03	13240	39	22*,48/02;7/03	14240	6	16,34/02;1/03	14917	23	17/02;3/03	
12312	52	10*,15/03	13244	36	26,27/02;8/03	14242	13	34/02	14918	26	25/02;17/03	
12313	48	18,21,27,31,33,43,52/02	13246	36	26,27/02;8/03	14243	8	19,34/02	14919	27	24/02	
12314	30	46*,50/02;5/03	13253	18	3*,8/03	14244	5	19/02;16/03	14922	19	26*,51/02;9/03	
12316	29	2*,6/03	13260	38	28*,36,43,48,49,50/02;1, 7,9,18,P21/03	14260	47	35/02	14924	27	28*,32/02;5/03	
12317	31	15*,26,37,50/02	13263	7	N20,N21,N25,N27,N36, N43,N48,N49/02;N1,N7, N9,N18,NP21/03	14310	2	52/02;12/03	14926	9	18,31,32,35,37/02	
12318	41	9/03*	13264	103	21,36,49/02;9,P21/03	14340	25	16,17,26,33,37,40,52/02; 12/03	14927	24	21*,31,32,35,37/02	
12323	23	19,40/02;4/03	13267	30	17,19,27,52/02;1,7,9/03	14341	5	12/03	14928	21	4/03*	
12324	30	2*,8/03	13270	59	17,19,33,34,40,43/02;1,2, 7,12/03	14342	20	52/02	14929	24	14/03*	
12326	48	17,18,27,28/02;4,8,17, 19/03	13272	47	19,28,40/02;8/03	14344	2	37,40/02	14930	24	45/02	
12327	96	1*,2,8,12,13,14,16,18, 19/03	13274	24	17,19,27,45,52/02;1,2,7, 16/03	14345	5	37,40/02;12/03	14931	24	35/02*	
12331	30	8*,13,14,18/03	13275	27	17,19,27,45,52/02;1,2,7, 16/03	14349	7	16/02	14932	22	32/02;9/03	
12332	21	15,22,43,46/02;13,18/03	13276	21	19,27,52/02	14357	N52/02		14933	24	35*,37/02	
12333	32	46*,47/02;5,12,16,18/03	13278	30	20/03*	14358	N17,N36/02		14934	27	17/03*	
12334	65	10*,12,16,19/03	13283	18	1,9/03	14360	36	16,26,33,36/02	14935	21	17/02	
12335	39	1,8/03	13285	10	20/03	14386	3	36/02	14937	24	52/02*;2,17/03	
12337	22	15,20,28,31,43/02;13, 18/03	13286	29	39*,40,50/02;1,9/03	14415	4	33/02	14942	25	35/02	
12338	9	21/03*	13288	40	15*,20,23,29,36,43,50, 51/02	14500	27	52/02*	14963	20	51/02	
12341	25	22/02*;21/03	13290	34	20,36,40,43,50,51/02;7, 16/03	14769	N31/02*		14966	25	14*,21/03	
12343	18	37/02*;7,21/03	13292	36	20*,36,40/02;7,16/03	14772	17	15/02	14967	22	5/03	
12345	10	42/02*;21/03	13293	33	26*,29,43,51/02;14/03	14773	16	15,19/02	14970	25	40,46,51/02	
12347	29	25/02	13295	11	2*,14/03	14774	16	15/03	14972	25	21/02	
12348	33	25/02	13296	25	43/02	14775	N31/02*		14973	27	15/03*	
12350	57	39*,49/02	13298	10	43,52/02	14776	N31/02*		14974	24	32/02	
12352	29	34/02;17/03	13301	20	25,33,51/02	14777	N31/02*		14975	33	52/02*	
12354	39	22,28,33,37,43/02;2,6,7, 10/03	13302	21	20,25,41/02;2,7,9/03	14780	24	21,22/02	14984	9	18/02*	
12358	19	46*,49/02;1,7,10/03	13303	12	48/02*;7,9/03	14782	16	22/02	14995	11	52/02*	
12362	16	49/02	13305	28	25,40,41,49/02;2,7,9/03	14785	16	22/02	15313	1	15/03	
12363	39	18,28,44/02;6/03	13308	11	40/02	14786	13	24/02	15562		N41/02;N16/03	
12364	34	20/03*	13309	28	42/02*;9/03	14804	24	20/02*;5/03	15585		N14/03	
12365	26	18/02;6/03	13312	21	10/03*	14810	4	19/02	15744		N30/02	
12366	27	51/02;20/03	13313	19	21,25,41,49,52/02;6,9/03	14812	3	19/02	15880		N41/02	
12367	23	18/02	13315	11	19*,49/02	14813	21	2/03*	15954		N47/02*	
12368	26	42/02*	13318	18	38*,41,52/02;5,6,21/03	14829	5	21/02	16003	16	18/02*;13/03	
12369	25	31*,44/02	13321	9	20/03*	14830	29	18,23,39,51/02;2/03	16004	11	13,17/03	
12370	18	39/02*	13322	9	19/02*	14832	34	52/02*	16006	33	6/03	
12371	22	28,47/02;6,13/03	13323	7	5/03	14833	25	20,26/02	16011	35	38/02;8/03	
12372	31	45*,47,48/02;2,5,6/03	13324	13	41,52/02;2/03	14835	31	39/02	16012	21	38/02	
12373	14	2/03	13325	14	2/03	14836	27	42/02*	16013	28	17,22,29,52/02;21/03	
12375	21	22/02	13326	12	41,43/02	14837	27	26/02*;3/03	16042	7	39/02*	
12377	14	22,25,37/02	13329	2	6/03	14838	3	52/02*	16061	8	19*,27,37,49/02;13, 17/03	
12378	14	2,13/03	13394	3	39/02*;9,21/03	14839	36	9/03*	16300	8	52/02;3,8/03	
12401	7	31*,47/02;2,13/03	13396	4	9,19,21/03	14842	12	18,23,39/02;2,4/03	16305	9	8/03	
12402	8	31*,33,47/02;13/03	13398	3	19*,36/02	14843	22	23,39,51/02	16322	7	8/03	
13000		N21,N25,N48,N49/02; N21/03	14002	57	21/02	14844	31	18/02;4/03	16363	12	38/02*	
13003	46	9*,12,18/03	14003	6	16,25,48,49/02;5,9,12/03	14845	26	18/02;4/03	16380	13	17/02	
13006	30	39*,44,48,49,50/02;1,5,9, 17,18,P21/03	14008	76	21/02	14846	11	18,23,24,39,40/02;2/03	16381	8	8/03	
	14010	5	21,35/02	14847	30	24,40/02	14848	56	23,24,31/02;9,17,21/03	16382	10	17/02
	14018	6	16/02	14849	51	21*,23/02;7,21/03	14850	51	17/02	16435	5	27/02
									16440	13	37/02	
									16441	7	37/02	
									16442	6	37/02	
									16480	10	38/02	
									16500	9	9/03	
									16520	21	2/03	
									16521	5	27/02	
									16528			

SECTION I

NM 21/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
16529	14	50/02;9/03	17441	7	10,15/03	18447	26	27,52/02;6,7,10,18/03	18700	21	34,36,37/02;4,6,10,13, 21/03
16530	6	50/02	17443	12	10/03	18448	32	15,17,33/02;10,15/03	18703	24	36,37/02;4/03
16531	7	18/02*	17445	2	16/02;10,14/03	18449	17	15,17/02;7/03	18704	12	37/02
16535	12	2,21/03	17446		N10/03	18450	17	9/03*	18720	31	23,35/02;4,6,10,12/03
16549	14	4,16/03	17460		N5/03	18452	16	17/02	18721	11	35/02;6,10/03
16553	3	17/03	17465	4	6,12/03	18453	24	14/03*	18723	3	6/03
16556	4	8/03*	17471		N15/02;N6/03	18455	2	N17,N22,N39/02;N15/03	18725	26	23,35/02;4,6,12/03
16566	10	17/02	17472	4	5,14/03	18457	9	15/02	18740	39	16,20,23,34,37,45,50/02; 5,6,12/03
16568	12	39/02*	17480	4	15,43/02;5,10/03	18458	15	19/03*	18741	18	N25,N45,N50/02;N12/03
16575	1	39/02	17482		N7,N14/03	18459	5	N17,N22,N32,N39/02;	18744	30	37/02
16576	3	42/02;6/03	17485	4	16/02	18460	11	2*,6,7/03	18746	34	20,23,34/02;5,13/03
16580	11	39/02	17489	19	43/02	18464	22	32/02;7,15/03	18749	38	16,18,20,23,25,27,40/02; 5,6,16,21/03
16590	10	38/02*	17495	2	43/02	18465	35	2*,15/03	18751	42	16,20,25,27,40/02;5,6,16, 21/03
16592	9	16/03	17503	4	43/02	18467	17	7/03	18754	16	36/02
16593	11	14/03*	17513		N42,N43/02;N15/03	18471	8	32/02;7,15/03	18757	10	13/03
16594	13	2/03	17515	7	6,15,16/03	18473	7	4*,18,19/03	18758	6	35/02*;16/03
16595	14	2/03	17517	8	6,15,16/03	18474	7	45/02*;7,10,15/03	18760	6	N16,N23,N34,N35,N45, N50/02;N6/03
16596	12	39/02*	17518	7	P44,48/02;16,18,20/03	18476	4	17,22,32,39/02;7,9/03	18761	2	N20/02
16597	8	16,43/02	17519	13	16/03	18477	5	7/03	18762	15	20/02
16598	9	43/02	17520	2	N6,N16/03	18478	29	2*,6,7/03	18763	9	20/02
16599	6	16,43/02	17521		N15/03	18484	10	28,40/02;15/03	18765	15	18*,25,45,50/02;12/03
16603	7	42/02;6/03	17522		N15/03	18485	15	2*,10/03	18766	7	25,45,50/02;12/03
16604	11	22/02*	17523		N15/03	18500	28	19*,22,32,39/02;12/03	18768	4	N25,N45,N50/02;N12/03
16606	11	37/02*;21/03	17524		N12,N15/03	18502	84	30*,32,39,42,49/02;9,	18769	2	N20/02
16608	3	6/03	17525		N15/03	18504	65	19/03*	18772	47	21/03*
16640	24	21/03	17526		N15/03	18520	24	33,39/02	18773	38	18,20,23,25,50/02;10,12, 13/03
16646	12	8/03	17528		N43/02;N6,N12/03	18521	69	34*,39,49/02;4,10,12,	18774	10	35/02*;10,16/03
16660	28	22,25,29,42/02;6,16/03	17541	3	43/02	18523	53	15,25,26,33/02;4,12/03	18775	2	N20/02
16662	6	22,29/02	17542	6	47/02	18524	33	18*,26,31,33/02;4,6,	19002	9	N23,N25,N37,N51/02; N16/03
16663	6	22,25,29,42/02;6,16/03	17543	17	41/02	18525	33	15,28,31,33/02;4,9/03	19004	36	23,25,35,37,51/02
16665	7	22,25,29,42/02;6,16/03	17545	13	43,47/02	18526	55	15,16,28,31,33/02;4, 18/03	19007	16	51/02;16/03
16680	10	6/03	17546	22	42,43,47/02	18527	21	16,31/02	19008	4	16/03
16681	10	37/02*	17548	28	16/03	18528	10	52/02*;18/03	19009	4	16/03
16682	15	8*,17,19/03	17549	6	47/02;15/03	18531	20	26,31,34/02;9,10/03	19010	17	45*,51/02
16683	9	3,16,17/03	17550	4	15,42,43,P44,45,47,48, 52/02	18532	20	10/03	19013	16	25,51/02
16700	27	21*,49,52/02;9,16/03	18000	8	45/02;6,10,21/03	18541	8	21/02*	19320	16	23,27,35,37,51/02;5, 16/03
16701	18	21*,52/02;9/03	18002	6	N45/02;N2,N6,N10, N21/03	18548	5	8/03*	19324	22	27,35/02;5/03
16702	10	38,52/02;1,9,13/03	18003	18	26,33,38,39,40,P44,45, 47,48,52/02	18558	37	19*,39/02	19327	10	23/02
16705	19	49/02;16/03	18005	4	N20,N34/02;N6,N10, N13,N21/03	18561	11	33,39/02;10/03	19329	1	N25,N35,N49,N51/02; N5,N13/03
16707	10	34,37/02;16,20/03	18006	3	6/03	18580	21	26,33,38,39/02	19340	26	25,35,49,51/02;5,13/03
16708	25	37,49/02;16,20/03	18007	31	20,26,33,34,37,38,39,40, 47,52/02;18/03	18581	17	49/02*;4/03	19347	17	25/02
16709	22	15*,49/02	18008	7	N20,N26,N33,N34,N37, N38,N39,N40,N47, N52/02;N18/03	18583	38	31,33,42,49/02;12/03	19350	11	27/02
16711	2	15/02*	18009	2	N34/02;N6,N13/03	18584	47	30,39,49/02;4,6/03	19351	9	25/02
16712	1	16/03	18010	20	33,34,37,38,39,40/02;6, 13/03	18587	68	25,30,33,39,42/02;4,6,9, 10,21/03	19357	22	42*,49,51/02;5,13/03
16713	2	49/02	1820	36	20,34,37,45/02;6,10,13, 21/03	18588	36	32,33,49/02;21/03	19358	20	28/02*
16741	9	46/02	18022	33	23,34,37,45/02;6,10,13, 21/03	18601	13	10/03	19359	10	12,16/03
16760	10	51/02	18400	43	2*,6,16,18/03	18602	11	26,32,33/02;10/03	19360	1	N37,N51/02
16762	9	26/02*	18403	21	6,20/03	18603	16	9*,10/03	19362	12	49/02
17003	4	47,52/02	18405	12	43/02;16/03	18620	23	35/02*	19366	36	31,49/02;5/03
17005	10	41,45,47,52/02	18406	5	16/03	18623	11	34/02	19367	37	22,31,34,49/02;10/03
17008	12	43/02	18407		21/03	18626	15	37/02;10/03	19369	5	22,31,49/02;10/03
17300	30	52/02*;21/03	18408		21/03	18640	24	15,24/02	19379	1	N25,N51/02;N5,N13/03
17302	18	21*,51/02	18409		21/03	18643	16	24,49/02	19380	14	25,51/02;5,13/03
17303	9	15,37/02	18411		N16,N20/03	18645	24	15,19,50/02	19381	8	25,49,51/02
17315	23	2*,16,21/03	18412	10	20/03	18647	15	2/03*	19383	17	49/02;5/03
17316	20	28/02*;3/03	18413	15	20/03	18649	62	15,19,20,23,33,36,38, 41/02;4,6,21/03	19385	7	20/02*
17320	15	15/02;13/03	18414	9	20/03	18650	51	28*,33,38,41/02;4,21/03	19401	8	10/03*
17323	10	13/03	18415	8	42/02;7/03	18651	42	15/03*	19402	6	9/03*
17327	20	5/03	18416	6	P44,48/02	18652	31	18,19,20,23,26,27,30,33, 38,41,49/02;4,6,7,12,16, 21/03	19421	7	8/03*
17330	7	15/02	18417		21/03	18653	9	15,19,36,38,41/02;4,6, 21/03	19442	5	14/03*
17360	32	44/02;1,6,8,11,12/03	18418	6	15/03	18655	18	19,26,27,30/02;4,21/03	19461	7	10/03*
17379	1	15*,20/02	18419	11	47/02;12/03	18657	42	28*,38,49/02;12,16/03	19483	6	11/03*
17382	15	20/03*	18420	45	2*,18,20/03	18658	29	23,26,27/02;4,21/03	21005	5	45/02;2/03
17383	1	31*,49/02;8/03	18421	45	2*,18,20/03	18659	14	26,30,49/02;7,16,21/03	21008	62	39,42,43,50/02;1,2/03
17384	7	44/02	18422	15	35/02*	18660	1	30,49/02;7,16/03	21011	5	2/03
17385	14	14/03*	18423	5	14/03*	18661	27	15*,16/03	21014	72	42,50,52/02;2,3,4/03
17400	16	15,36/02;10,12/03	18424	5	14/03*	18662	20	30/02;7/03	21017	50	23,41,50/02;4,5,6,9/03
17401	10	1/03	18425	9	19/02*	18663	5	14/03*	21020	42	23,41/02;5,6,7/03
17402	10	46/02*	18426	45	2*,18,20/03	18664	1	30,49/02;7,16/03	21021	3	45/02;13/03
17405	14	12/03	18427	33	1*,5,7,9,15,18/03	18665	53	19*,21/03	21023	41	34/02;7,8,9/03
17409	10	39/02*	18428	25	7/03	18666	1	30,49/02;7,16/03	21033	46	20,32/02;1,16/03
17413	2	43,50/02;10/03	18429	21	35/02*;7,19/03	18667	20	30/02;7/03	21036	7	1,16/03
17414	3	41/02	18430	9	3/03*	18668	1	14/03*	21120	27	47,50,51,52/02
17416	3	10,14/03	18431	6	2/03*	18669	1	26/02;21/03	21121	18	47/02
17420	26	36,37,42,43,50/02;1,10, 12,14,20/03	18432	5	14/03*	18670	30	15/02;6,13/03	21122	5	47/02
17422	8	52/02*	18433	5	2/03*	18671	31	25/02;6,12/03	21125	13	51,52/02
17425	6	18/02*	18434	4	15,26,P44,48/02;6,9/03	18672	13	8/03*	21126	1	50/02
17426	13	37/02;1,16,20/03	18435	26	3*,15,18/03						
17427	7	16/02;21/03	18436	42	30*,32,39/02;6,7,9,15, 18/03						
17428	7	5/03	18437	15	17,39/02;6/03						
17429	2	N38/02*	18438	15							

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
21140	1	45,50/02;12/03	22341	9	19,43/02;11,21/03	24110	3	27,29/02	25018	9	15/03
21141	23	48/02	22342	9	19/02;21/03	24130	14	24,29/02;5/03	25400	1	23,26,35,48/02
21160	1	45/02	22343	1	N19,N43/02;N10,N11, N21/03	24140	18	32/02	25480	1	20,42,46/02
21161	19	43,48/02	22344	5	N42/02;N10/03	24141	4	5/03	25481	25	26/02
21180	1	2,7/03	22345	11	42/02	24142	43	5,6/03	25485	45	23,26/02
21182	34	39/02	22347	5	N19/02;N21/03	24149	1	32/02	25487	2	23,26/02
21200	1	2/03	22351	1	N43/02;N12/03	24150	27	27,29,30,32/02	25524	43	33/02;1,5,20/03
21301	13	3,12/03	22352	6	12,19/03	24151	4	29,32/02	25525	17	1,5/03
21342	28	41,44/02	22356	2	19/03	24152	2	30/02	25526	2	19,33/02
21384	3	23/02;6/03	22360	2	19/03	24153	6	30/02	25527	31	33/02
21401	20	7/03	22361	2	N10/03	24156	2	22/02	25528	5	21,42/02
21441	27	34,44/02	22370	2	15,19/03	24159	1	27/02	25550	2	17,19,24/02;21/03
21478	3	9,16/03	22373	1	N50/02;N10/03	24160	21	27,28/02	25563	50	17,33/02;14,18,21/03
21510	1	9,16/03	22375	1	N19/02;N10,N15/03	24161	11	27,42/02;7/03	25565	7	33/02
21563	3	45/02	22377	1	N10,N13/03	24162	9	22,27,42/02;6,7/03	25566	27	17/02;18/03
21602	1	28/02	22379	1	N50/02;N10/03	24164	6	27/02	25567	16	19/02;21/03
21603	9	5/03	22381	1	N19,N43/02	24170	14	5,6/03	25570	3	19,31/02;16/03
21605	7	19/02	22395	2	19,42/02;15,19/03	24171	19	5,6/03	25575	4	31/02
21661	12	6/03	22403	1	N45/02	24172	4	5,6/03	25600	47	24/02
22004	38	18,20,23,30,32,34,36,39, 41,43,52/02;16/03	22404	15	46/02	24180	15	8/03	25601	34	17,19,20/02
22008	35	18,30,34,36,39,41,43,44, 48,52/02;6,14,17/03	22406	1	N1/03	24211	7	24/02	25607	4	24,39/02
22012	31	16,30,34/02;6/03	22407	1	N4,N11,N18/03	24220	14	27,28/02	25608	21	17/02;16/03
22032	20	19/03	22409	4	N45/02;N10,N17/03	24222	3	27/02	25609	5	30/02
22036	28	18,47/02	22410	32	43,44,46/02;19/03	24223	33	18/02	25613	2	30/02
22050	4	19/02;12/03	22413	1	N45/02	24230	20	18,30/02	25640	40	28/02*,15/03
22051	18	28/02	22417	1	N10/03	24233	15	36,43/02	25641	26	30/02
22052	6	28,46/02	22418	2	24,36,44,46/02;19/03	24234	3	30/02	25644	13	20/03*
22080	3	20,32/02	22420	2	4,11,15,19/03	24240	5	30,39/02;7/03	25645	17	15/02*
22082	4	17,19/02;13/03	22421	4	N43,N44,N46/02;N11/03	24250	5	30,39/02;7/03	25646	7	N42/02
22083	5	19/02	22423	3	N11/03	24251	23	24,34,43/02;6/03	25649	18	18,30,35/02;4/03
22084	4	42/02	22425	2	44,46/02	24252	5	30,39,43/02;6/03	25650	33	22*,30/02
22090	2	30,32,43/02;4,17/03	22427	1	N43,N44,N46,N50/02; N11/03	24260	5	34/02	25653	13	8/03*
22100	3	20,32/02;12/03	22429	1	N24,N46/02;N10,N14, N17,N19/03	24270	3	24,27/02;17/03	25659	9	20/03*
22101	19	16,20,32,43/02	22430	6	19/03	24271	14	17/03	25663	27	19/02*,17/03
22102	19	17/03	22433	3	39,47/02;11,14/03	24274	2	17/03	25664	15	17/03
22109	3	17/03	22436	2	39/02;10,14/03	24290	3	36,43/02	25666	17	17/03
22111	4	32/02;17/03	22440	1	19/03	24291	4	36/02	25667	20	15/03
22112	3	23,25,30,32,43/02;17/03	22471	31	18,44/02	24292	4	36/02	25668	18	15*,16,48/02;13/03
22113	8	23,25,30/02;12,17/03	22481	35	43,44,44/02;19/03	24293	6	32,36/02	25670	41	26,38,48,49/02;4,5,13, 20/03
22114	5	16,32,42,43/02;17/03	22482	16	44,50/02	24294	22	36/02	25671	18	21/03*
22120	3	18,23,30,34,36,39,41,43, 52/02	22521	3	12,17/03	24311	4	27/02	25673	15	28,42/02
22121	9	17,23,30,34,36,44,52/02	22523	3	12,17/03	24312	4	27/02	25675	9	20/03*
22124	2	17,34,52/02;6/03	22529	3	12,17/03	24320	4	27,28,34,43/02;6,17/03	25677	19	21,52/02
22125	1	18,36/02	22531	2	12,17/03	24321	3	6/03	25679	10	20/03*
22126	1	36/02	23000	5	18/02	24322	6	28,34/02;6,17/03	25681	15	4/03
22130	2	44/02;14,17/03	23010	4	27,38/02	24350	2	31,51/02;18/03	25683	17	30,49,52/02;5,20/03
22138	2	18,41,44,48/02;6/03	23023	4	27/02	24355	2	51/02	25687	11	15,35/02
22140	2	30,34,36,44/02	23030	6	27,38/02;21/03	24370	1	34/02	25700	3	15/03
22142	2	39,41,43/02	23115	3	27/02	24375	2	34/02	25720	3	33/02
22143	3	17,41,52/02;14/03	23121	7	30/02;17,20/03	24380	2	35/02	25800	3	24,36/02
22145	2	N41/02	23122	8	23,30,33/02	24388	2	35/02	25841	9	24,36/02
22160	2	30,34,39,41,48,52/02	23123	3	30/02	24404	10	26,35,36,44,48/02	25848	25	5,13,15/03
22170	3	30,39/02;6/03	23124	3	N30/02;N17,N20/03	24405	30	26,20/02;2/03	25849	13	42/02;12/03
22172	8	48/02*,4,6/03	23125	4	30/02;17/03	24408	21	36,44,48/02	26001	4	9/03
22173	36	48/02*,6,17/03	23126	6	N24/02*	24410	2	21,44/02	26050	1	34/02
22180	2	30,34/02	23127	4	N24/02*	24430	5	39/02	26060	1	49/02
22181	16	17,27,39,41/02	23128	4	N24/02*	24448	7	16,26/02	26068	11	18/03
22182	6	30,34/02;14/03	23129	2	N24/02*	24454	5	5/03	26081	8	46/02;16/03
22183	3	20/02	23131	7	26,31/02;12/03	24460	4	15,17,39,47/02;15/03	26083	14	29/02
22190	2	30/02	23141	7	34/02	24461	4	16/03	26122	29	13/03
22205	2	16/02;12,18/03	23142	10	8/03	24462	5	15,47/02;16/03	26127	21	49/02;5/03
22221	20	20/02	23150	10	20,37,52/02	24463	6	24,39/02;12,15/03	26128	50	49/02;5/03
22222	1	4/03	23151	3	12/03	24465	6	15,23,33,47/02	26129	11	26/02
22225	2	12,18/03	23152	3	37/02;12/03	24469	1	20,46,47/02;13/03	26229	11	17/02
22233	29	13,18/03	23153	8	20,31/02;12,13/03	24470	4	28,39,47/02	26230	12	17/02
22250	2	42/02;12,18/03	24000	39	27,29/02	24471	8	28,47/02	26240	7	23/02;9/03
22251	11	12/03	24004	36	29,30/02	24480	1	17,25,27,41,44,45,49/02	26244	3	9/03
22259	4	20/02;20/03	24016	53	30,39/02	24482	2	24,49/02	26245	16	51/02;15/03
22264	2	20,42/02;13,18,20/03	24020	47	27/02	24483	2	20,24,49/02	26259	2	51/02
22275	3	20,42/02;12,18/03	24024	46	18/03	24484	3	24,49/02	26260	5	24/02
22281	9	12,18/03	24028	6	23,48/02	24490	3	24,31/02	26261	27	8/03
22282	17	19/02;12/03	24050	11	27,31,34,38,49/02;20/03	24491	3	31/02	26262	3	8/03
22283	3	N19/02;N12/03	24052	15	31,37,38/02;14,19,21/03	24492	20	31,46/02	26280	7	23/02
22284	7	N10/03	24053	16	24/02;19/03	24501	3	17,27/02	26290	1	21/03**
22290	4	20/02;18/03	24055	6	37,49/02;14,19,21/03	24502	6	46/02	26295	1	21/03*
22293	15	20/02;18/03	24057	4	31,38,49/02;20/03	24504	7	17,41,45,46/02	26300	7	21/03*
22294	15	12/03	24058	2	31,32,37,38/02;19/03	24508	2	18,19,41,45,46/02;15/03	26308	5	21/03*
22305	2	18/03	24060	2	34/02;17/03	24509	2	17,45,50/02;15/03	26309	26	17/02;11/03
22311	19	8/03	24080	5	29/02;17/03	24510	2	17,18,19,41,45,46,50/02	26312	2	21/03
22312	2	13/03	24091	6	26/02;6,21/03	24512	3	25,29,44,46/02	26316	3	21/03
22313	2	44/02;8,18/03	24092	14	26/02;6/03	24513	18	46/02	26320	5	15,24,27,28,29,35/02;7, 12/03
22314	1	44/02	24100	5	27,29/02	24517	2	18,19,46,49/02	26323	4	1/03
22331	2	N10,N19/03	24101	3	37,41/02	25001	7	17,19/02;15/03	26327	2	N41/02*N17/03
22335	4	19/03	24102	3	37,41/02	25017	5	15/03			

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
26328	2	15/02	35169	2	35/02	37042	5	17,41,45/02	37223	14	26,42/02;21/03
27005	4	6,8,9/03	35200	7	48,51/02;5/03	37043	17	17,20,43/02	37224	11	15/02
27040	5	9/03	35210	3	29/02	37044	16	45/02	37226	17	15,16,17,19,20,21,25,28, 30,39/02;8,9,12,14,17, 21/03
27041	4	50/02	35230	3	29/02	37045	11	45/02	37228	14	21,24,27/02;8,14/03
27080	4	20/02;15/03	35236	2	38,50/02	37046	18	21,31,43/02	37229	15	15,16,17/02;8/03
27081	6	49/02	35246	2	38,43/02	37050	9	18,26,42,46/02;10,12, 17/03	37230	14	16,18,24,25,39/02
27082	6	18,49,51/02	35247	4	50/02	37060	3	17,21,31,46,50/02;9,13, 18/03	37231	18	15,20,21,25,28,30/02;6, 10,12,14/03
27100	2	31/02;8,21/03	35255	3	50/02;14/03	37061	15	36,38/02;5/03	37232	12	15,16,21/02
27120	4	41,43,44/02	35256	2	14/03	37063	21	16,21,28,36,50/02	37234	13	15,20/02;7,8/03
27142	5	9/03	35270	2	38,46/02	37064	8	17/02*	37235	11	15/02;17/03
27160	2	8,13/03	35276	3	46/02	37065	7	19/02*	37238	6	17,21/03
27161	4	8,13/03	35277	3	38,46/02	37075	3	21,31/02;5,18/03	37241	17	16,17,26/02
27163	21	49/02;8/03	35279	3	38/02	37079	5	22/02	37242	10	15,20/02
27183	8	1,9/03	35298	7	27/02	37080	3	17,24,27,30,33,34,38,40, 42,44,45,46,51/02;1,4,7, 9,14,15,18,20,21/03	37244	11	16,17,26/02
27186	8	1,9/03	35299	9	13/03	37083	8	18,20,21,28,38,43,50/02	37246	14	15/02;21/03
28004	1	20,23,45/02;8,9/03	35301	6	17/03	37084	9	20,22,38,40,43/02	37248	18	39/02;21/03
28006	1	8/03	35302	7	17/03	37085	8	38,40/02	37258	4	15/02;1,11/03
28050	3	28,34/02	35303	7	40/02;17/03	37086	8	38,50/02;4/03	37261	10	15,28/02;1,7,11,20/03
28084	4	17/03**	35308	5	10/03	37087	7	38,40/02	37262	20	1,11/03
28110	2	15/02*	35310	2	22/02	37088	9	5/03	37264	3	30/02;1,15/03
28150	3	8/03	35330	2	22,38,41/02	37089	12	21,28/02;4,13/03	37265	3	18,24/02;1,7,17/03
28162	29	28/02	35350	2	38,41/02	37090	8	27,32,45,51/02;1,7,9,14, 16/03	37281	15	30/02;1,15/03
28164	17	28/02	35400	11	30/02	37095	3	15,17,18,24,28,32/02;1,7, 9,11,14,15,16,20/03	37320	16	18,26,27,28,38,44/02;9, 10,11,PI2,15,17,21/03
28190	2	41,43,45,46/02;18/03	35402	3	38/02	37101	9	15,18,27/02	37325	8	18,34,39,47/02;15,18/03
28196	4	41,43,45/02;18/03	35420	13	24,30/02	37103	9	15,27,29/02	37326	2	34,47,51/02;15,18,21/03
28197	4	45/02;18/03	35421	14	31/02	37110	11	15,17,18,19,24,27,28,29, 47/02;20/03	37328	2	18,44,42/02;11,15,21/03
28202	22	41,44/02	35423	6	31/02	37112	1	47/02	37330	2	22,24,26,30,32,34,38,40, 46/02;9,13,14/03
28210	2	33,35,39,41/02	35424	3	30/02	37115	2	15,17,18,19,27,28,29,33, 47/02;7/03	37342	3	17,32/02;2,11,15,21/03
28220	2	35,39/02	36005	2	15,17,24,27,28,34,36,38, 45,46/02;P12,14,17/03	37119	2	43/02	37343	10	45/02
28221	18	33,37,39/02;5/03	36010	27	16,19,20,22,24,38/02;5,	37120	2	15,19,24,27,29,39,42,49, 51/02;4,6,21/03	37344	11	17,32,34/02;21/03
28223	4	35,39/02	36015	2	17,24,27,36,46/02	37121	11	15,24,27,29,31/02	37360	15	15,17,27,28,30,32,34, 43/02;2,9,10,11,15,17, 21/03
28260	30	35,37/02	36040	16	19,30/02;1,15/03	37122	12	48/02;19/03	37362	6	17,31,43,48,51/02;1,2,4, 17/03
28263	3	35,37/02	36046	5	38/02	37123	9	19,49/02;6,20/03	37363	8	48/02;4,17/03
28264	3	35,37/02	36060	17	16,19,31,38/02;5,8,20, 21/03	37125	15	15,19,24,42,49/02;6,9, 20/03	37367	1	38,49/02
28281	32	36/02	36061	5	46/20/03	37126	8	15,41/02	37380	2	15,17,34,40,42,43,44,48, 51/02;9,10,17,21/03
28282	2	35/02	36062	11	40*;46/02	37127	11	49/02;4,6,20/03	37400	10	15,28,34,38,40,41,44, 46/02;6,10,20/03
28310	2	23,31,33,35,39/02	36098	6	5/03	37129	6	39,42,49/02;4,6,20/03	37401	9	28,32,44/02;4,6,13,14, 16/03
28320	6	33/02	36102	6	13/03	37133	4	44/02	37402	7	28,32,41,42,44,50/02;4, 13,14/03
28321	36	29/02	36103	9	13/03	37134	5	38/02	37403	23	24/02;10/03
28323	2	27,29/02	36104	6	13/03	37136	6	38,46,50,51/02	37420	1	34,43/02;1,7/03
28325	2	27,29/02;5/03	36106	7	18,47/02;5,13/03	37137	6	46,48/02	37421	8	14,21/03
28330	2	27/02	36117	6	18/02	37139	8	18,23/02;1/03	37423	5	14,21/03
29002	9	18/03	36118	3	5/03	37140	33	15,17,19,21,22,24,27,29, 31,35,49,51/02;4,6,16/03	37441	4	15/02
29015	5	52/02;16/03	36120	9	16,19,20,22,31,46/02;5,8, 16/03	37141	29	20,21,23,36,40,48,51/02;	37445	1	48/02;1/03
29121	5	32/02	36122	12	16,19,21/02	37145	23	46,50/02;4/03	37446	2	1/03
29122	5	32/02	36123	25	16,19,21,46/02;11,16/03	37147	15	21,35,36,40/02;1,10,12, 16,17,19/03	37461	9	51/02;6,20/03
35000	26	23,24,47,48/02;14/03	36124	18	16/03	37148	13	17,21,35,38/02;4,10, 11/03	37463	6	1/03
35008	21	45,48,50/02;5/03	36125	7	4/03	37149	10	44/02	37481	7	47,48/02;6,7,14/03
35009	19	15,40,41,45/02;5,10, 14/03	36127	4	38/02	37150	8	16,21,22,31/02;14,19/03	37501	3	46,47/02;7,8,20/03
35011	2	48/02;1/03	36128	3	39/02;4/03	37161	14	18,21,22,31,34,43/02;1, 14,19/03	37505	2	46/02;7/03
35016	17	29/02	36129	4	4/03	37162	12	15,16,17,26/02;21/03	37506	4	45,46,47,51/02;8,20/03
35031	3	22/02	36140	12	21,22,24,36,41/02;4, 10/03	37164	4	15/02	38030	1	20,21/02
35036	21	17,19,24,30,36/02;10, 15/03	36141	7	4/03	37165	2	15,17,18,20,21,34,36/02;	38460	7	18/02
35040	18	21,45/02;4,8,10,14,21/03	36142	6	24/02	37166	2	15,16,17,26/02;14,19, 21/03	37481	7	47,48/02;6,7,14/03
35041	8	21,35/02;4/03	36143	4	18,34/02;5/03	37167	23	46,50/02;4/03	37501	3	46,47/02;7,8,20/03
35042	9	21,27,44/02;4,14/03	36161	10	20,24,34,44,45,47,50/02;	37168	8	21,38/02	37505	2	46/02;7/03
35044	9	38/02	36162	10	20,35,45,47,50/02;4,	37169	10	44/02	38030	1	20,21/02
35047	5	35/02	36163	13	20,31,34,35,38,44,45,47, 50/02;4,18/03	37170	11	38/02;14,19/03	38463	2	N18/02
35060	14	18,22,40,41/02;10,14/03	36164	7	34,38,44,46/02;8,15/03	37171	2	5/03	38480	6	18/02
35080	16	18,22,40/02	36165	6	17,18,20,22,24,28,36, 44/02;10/03	37172	12	15,16,17,26/02;21/03	38528	4	N20/03
35083	8	20/03	36167	2	24,40/02	37174	4	15/02	38580	8	18/03
35084	15	50/02	36173	1	40/02	37175	2	5/03	38585	4	18/03
35086	5	31/02	36178	4	4/03	37176	2	15,17,18,20,21,34,36/02;	38603	2	17,21/02
35088	2	50/02	36179	1	40/02	37177	20	21,38/02	38610	1	20/02
35099	3	41/02	36180	23	17,20,21,22,36,40,50/02;	37178	14	35,47,48/02	41000	2	15/03
35100	14	40,45/02;5/03	36181	18	17,20,21,22,36,40,50/02;	37179	9	48,51/02;10/03	41060	3	34/02
35103	6	41/02	36182	6	20,36,40/02	37180	20	21,38/02	42160	3	7/03
35120	13	40,45,47/02;5/03	36183	4	4/03	37181	11	38/02;14,19/03	42600	5	14/03
35130	3	48,51/02;5/03	36182	6	20,36,40/02	37182	14	35,47,48/02	42620	5	14/03
35135	1	5/03	37000	22	23,28,47,48/02;14/03	37183	9	48,51/02;10/03	42740	5	34,41/02;6/03
35136	2	48,51/02	37005	16	17,18,23,41,45,47,50/02;5	37184	8	48,02;5/03	42742	3	6,8/03
35141	11	34/02	37010	23	15,16,17,18,23,26,41,45, 47/02;10,12,13,15,19/03	37185	15	18/02	42760	5	8,19/03
35143	7	34/02	37012	23	15,16,17,18,23,26,41,45, 47/02;10,12,13,15,19/03	37200	15	18/02	43000	4	9/03
35144	3	11/03	37025	26	38,51/02;1/03	37202	2	18/02	43015	12	9/03
35150	3	48/02	37032	2	1,6/03	37205	2	39/02	43030	24	25,28/02;2,9,10,11,12,13, 15,17/03
35159	3	25/02	37033	2	47/02	37221	13	15,16,17,18,20,21,24,25, 27,28,34,36/			

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
43079	2	41/02	44068	11	17,18,20,24,26,44/02;10,11,13/03	44365	1	7,8/03	52080	14	50,51/02;4,7,10,11,12,14,20,P20/03
43082	5	41/02	44069	16	16,18,20,21,24,29,31/02;11,13,17/03	44366	1	34,41/02	52082	3	45,46,48/02;11,12,20,P20/03
43101	3	46/02	44072	4	21/02	44367	2	15,16,18,20,22,25,26,29,35,37,40/02;6/03	52083	2	45,46,51/02;1,16/03
43102	4	46/02	44073	2	21/02	44400	4	48/02;4,6,7,8,9,12,15,17,19/03	52084	2	45/02;4,10,11,12,14,18/03
43104	4	46/02	44075	4	16,17,21,29,31,42/02;13/03	44401	7	10,12,19/03	52085	3	50,51/02;4,11,16/03
43106	6	44/02	44076	3	18,25/02	44410	4	4,6,11,12,13,14,15/03	52086	2	45,50,51/02;1,4,9,11,14/03
43127	5	20/03	44081	9	15,16,17,20,24,25,39/02;9,13/03	44420	6	36,49/02;8,9,10,11,12,14,17/03	52087	1	51/02
43140	4	17,41,48,52/02;12/03	44082	11	15,16,17,18,21,24,25/02;9/03	44444	6	31/02;9,12/03	52088	2	45/02;4,10,11,12,14,18,P20/03
43141	5	52/02;12/03	44083	8	15,21/02;9,11/03	44461	10	16,17,19,28/02;6,10/03	52092	1	46,51/02;16/03
43145	4	17/02;12/03	44084	1	6,11/03	44462	4	19/02	52120	12	32,51/02;6,11,16,18/03
43150	2	N17/02	44085	2	21,25/02	44465	2	16,17,19,28/02;6/03	52121	8	45,46/02;1,6,8,11,16/03
43160	6	17/02	44100	7	15,16,17,18,24,25,26,44/02;2,9,11,12,13/03	44481	2	26,28,31/02	52122	14	45/02;11,14/03
43161	2	17,41,44/02	44105	2	49/02;5,6,8/03	51007	22	38/02;7/03	52124	1	51/02
43163	3	44/02	44120	7	15,16,17,18,21,26,27,28,29,31/02;9,10,15,19,20/03	51013	4	38/02;7,21/03	52125	1	45,46/02;8,11,16,18/03
43164	3	17,48/02;6/03	44140	8	16,26,27,28,29,31,50/02;1,6,19,21/03	51017	31	37/02	52140	6	48,50/02;3,12,18/03
43180	5	9/03	44160	7	46/02;1,4,5,6,11,13,14,15,20/03	51022	11	37/02	52141	5	48/02
43182	4	47,52/02	44161	2	29,50/02;1,2,6,10,21/03	51061	14	1,7,15,17,19,21/03	52142	2	12,18/03
43223	4	41/02	44162	1	50/02;1/03	51062	28	15,17,19/03	52143	8	18/03
43225	4	17,52/02	44163	1	48/02	51064	2	52/02;1,17/03	52144	5	50/02;3,7,8,10,14,16,18,21/03
43240	4	50,51/02	44164	1	46,48/02;1,11,18/03	51081	10	5,6,13,15,17,21/03	52161	14	6,11,14/03
43242	4	52/02	44165	1	46/02;1,5,6,11,20/03	51082	7	5,7,13,15,17,21/03	52164	2	14/03
43243	4	50,51/02	44178	2	21/02;2,5,7,10,16/03	51100	7	1,6,7,8,9,14/03	52170	3	14,16/03
43248	3	9/03	44179	2	10,16/03	51103	10	29*,33,45/02	52172	2	40/02;1/03
43263	7	44/02	44180	6	18,20,24,29,34,45,46/02;1,2,5,7,8,9,20/03	51104	1	29*,33,45/02	52180	14	21,24,42,43,51/02;1,8,10,13,15,16/03
43265	2	44,52/02	44181	5	5,10,13,20,21/03	51150	1	50,51/02;1,13,15/03	52200	8	7,17/03
43270	2	44/02	44182	4	21,48,49/02;1,2,15,18/03	51154	3	50,51/02;13,15/03	53011	2	51/02
43280	5	44/02	44183	6	48/02;1,6,8,9,10,19,20/03	51155	1	50,51/02;1,15/03	53031	1	17,18,19,21,22,27,28,30,39,48/02;5,12,14/03
43281	6	20/02*	44184	9	21,45,49/02;2,10,13,20/03	51158	2	6/03	53058	2	4/03
43284	4	16,51/02	44185	7	45,49/02;1,2,10/03	51160	20	48,50,51/02;1,4,5,6,7,14,15,21/03	53060	14	15,17,18,19,21,22,27,28,30,30,32,51/02;4,5,9,10,12,14/03
43285	5	15,16,44/02	44186	2	21,45,46,48/02;1,2,5,8,9,10,15,16/03	51163	4	4/03	53061	10	19,28,30,44,47/02;12,16,17/03
43300	5	15,44,47,50/02	44187	2	21/02;5,6,9,13/03	51164	18	38,45,46,50/02;2,4,8/03	53062	13	1,14,16/03
43301	4	15,45,50/02	44188	1	21,29,46,48/02;1,18/03	51165	8	25,45,50/02;2,4,8,10,14,16/03	53063	8	19,28,44,47/02;4/03
43302	4	44,47,50/02	44192	1	26/02;1,7,15,18/03	51166	3	N25,N45/02	53064	6	33/02;10,20/03
43303	4	41,47,50,51/02	44193	1	26/02,24,34,52/02;4,9,12,13/03	51167	6	45,50/02;2,4,8,10,16/03	53065	2	33/02
43304	2	44,47,50/02	44200	9	20,24,29,34,52/02;4,9,12,13/03	51168	2	45,46,50/02;2,4,8/03	53066	2	33/02;20/03
43321	6	30,41,47/02	44203	1	20,24,34,48/02;2,5,15/03	51180	5	13,16/03	53081	8	15,21,30/02;4,5,11,16/03
43323	4	30/02	44204	1	48,52/02;2,4,5,7,12,15,13/03	51200	4	14/03	53082	13	40/02
43324	4	30/02	44205	2	48,52/02;2,5,7,12,15,19/03	51220	8	33/02;18/03	53083	8	18,19/02;9,10,21/03
43341	7	41/02;12/03	44206	1	46/02;4,5,13,16,17,19/03	51222	6	51/02;16/03	53084	6	17,18,24,51/02;14,16/03
43345	4	1/03	44207	1	4,5,17,19/03	51223	2	17,18/03	53085	6	17,24,51/02;14,16/03
43360	21	17,28/02;6,10,13,17,20,21/03	44221	1	19,21/03	51225	3	27/02	53086	8	20,46,48/02;17/03
43363	5	45/02	44222	1	6,13,21/03	51240	2	33/02	53087	9	48/02;17/03
43364	5	45,46/02	44223	1	49/02;5,20,21/03	51260	4	4/02	53088	7	33/02
43371	13	22/02	44240	8	49,50/02;4,7,13,14,15,16,19,21/03	51341	23	48/02;6,16/03	53089	4	21/03
43372	4	22/02	44242	1	4,5,17,19/03	51342	3	1/03	53090	1	41/02
43373	8	45/02;17,20/03	44243	2	25/02;5/03	51344	2	5,7,16,18/03	53093	2	20/02
43374	1	22/02	44244	5	46/02;4,5,13,16,21/03	51380	5	47/02	53100	16	18,19,21,24,28,33,39,42,51/02;6,10,13,18,20,21/03
43375	7	46/02;6,7,10,12,16,18/03	44250	2	48,52/02;2,5,7,12,15,19/03	51500	6	20/03	53101	7	33/02;8,13,16/03
43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18/03	44251	1	4/02	51559	3	41/02	53104	2	20,35,42/02;20/03
43385	1	27,45,48/02;5,11,13,20/03	44253	2	27/02	51600	12	20/03	53105	20	37/02;8/03
44001	2	48,49/02;1,6,7,8,9,11,13,14,P20/03	44254	1	5,13,20/03	51620	10	20/03	53106	6	19*,20,24/02;21/03
44015	8	28,31,48,49/02;6,7,8,9,10,11,13,14/03	44255	4	49/02;5,20,21/03	51621	9	20/03	53107	16	35/02;6/03
44030	7	20,46/02;4,8,9,13,19/03	44256	8	49,50/02;4,7,13,17,19,21/03	51623	23	49/02;13,17/03	53110	1	29,40/02;10,15,17/03
44036	5	28/02;13,16,17,20/03	44257	2	29/02;5,03	51630	4	27/02	53111	3	31,44/02*
44037	5	16/03	44260	7	29/02;2,5,6,13,21/03	51644	2	27/02	53120	14	18,20,21,27,28,39,42/02;5,6,7,13,17/03
44038	5	18/02	44280	9	29,34,49,50/02;2,6,12,15,19/03	51645	3	27/02	53122	3	20,29,40/02;7,8,16/03
44040	23	28,44/02;6,10,13,16,17,20/03	44281	2	49/02;12,15,19,21/03	51650	1	4/03	53123	3	7/03
44041	7	48/02;1,9,10,13,16,20/03	44282	1	49,50/02;13,17,19,21/03	51651	1	4/03	53125	2	46,51/02;13/03
44042	7	21,44,45,49/02;4,7,9,10,11,17,19,20/03	44283	2	50/02;8,21/03	51652	1	4/03	53130	1	27,42,47/02;10,13,18/03
44043	8	44/02;1,6,9,10,11,13,16/03	44284	2	41/02;6/03	51653	1	4/03	53133	3	41,46/02;16/03
44044	6	6,10,13,16/03	44285	1	2,15/03	52031	1	6,21/03	53135	2	20,51/02;7/03
44046	10	18/02	44310	5	20,29,41,42/02;7/03	52039	4	5*,7,8,9,13,14,18,21/03	53141	5	20,24,34,51,52/02
44047	22	26,44/02;10,12/03	44313	1	27,41,47/02	52040	17	43,50/02;13,16,18/03	53147	3	36,39,42,51/02;6,7,10,13,17,20/03
44048	11	5,12,18/03	44319	2	21,41,42/02;4,6,9,10,12/03	52043	21	46/02;6,7,12,20/03	53149	2	31/02
44049	9	18,44,46,50/02;8,14/03	44320	4	23,29/02;6,8,9,15,P20/03	52045	6	36/02	53160	14	20,51/02;3,6/03
44050	21	18/02;20/03	44321	6	19,22,23,29,32,40/02;6,8/03	52046	5	47/02	53161	8	51/02;3,8,13,18/03
44051	1	44,48,50/02;1,11,14/03	44340	11	16,20,21,37/02;4,6,8,9,15,17,P20/03	52047	2	45,48,51/02;7,12,20/03	53162	7	50/02*;15/03
44052	5	21,25/02	44341	7	25,37,41/02;7,9,P20/03	52051	1	43/02	53164	9	20,37,51/02
44061	21	18,21/02	44342	8	37,41/02;6/03	52054	1	14/03	53165	13	39/02;8/03
44063	8	21/02;17/03	44343	2	4,6,7,8,12,15,17,19/03	52055	1	14/03	53180	10	33,34,43,51/02;1,3,6,7,13,15,18,20,21/03
44065	7	15,16,20,25,30,42/02;16,17/03	44345	8	37,41/02;6/03	52056	2	45,48,51/02;7,12,20,P20/03	53181	4	34/02;1,13,21/03
44066	10	16,20,27,39/02	44360	9	16,20,21,34,37,41,42/02;4,9,10,20/03</td						

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
53182	4	36/02;15,16/03	54322	7	19,20/02;1/03	55133	3	5,14/03	61204	5	13/03
53183	13	19*,35/02;20/03	54324	8	19/02	55139	5	41/02	61210	6	17/02
53184	5	32,35/02;1,6,13,18,20/03	54327	4	20,31/02	55140	2	1,5,14/03	61220	5	17/02
53200	6	33,36,43/02;5,6,7,15,16, 20/03	54329	4	5/03	55150	2	24,28,29,37/02;15/03	61240	7	18/02
53201	6	51/02;18,21/03	54334	3	5/03	55160	2	18,24,28,29,42/02	61250	4	18/02
53202	6	15,17/03	54337	3	19,31/02	55161	1	29/02;17/03	61300	2	7/03
53203	11	5/03	54339	8	17,31/02;12/03	55170	2	18,29,31,36,41/02	61310	2	33/02;7/03
53204	10	44/02;5/03	54340	8	19,48,51/02;3,4/03	55175	1	24,28/02	61311	5	17,33/02
53205	3	5/03	54343	10	19,48/02;4,5,11,12,13/03	55180	2	33/02;1,15/03	61312	3	17,33/02
53206	6	17/02;5/03	54344	6	19,48/02	55190	2	6,20/03	61331	4	7/03
53220	6	36,43,51/02;5,16/03	54346	8	19/02;11,12,13/03	55200	2	27/02;8,10,20/03	61400	2	27/02;7/03
53223	5	29/02	54347	4	51/02	56031	1	1,2,17,21/03	61410	2	7/03
53226	3	3*;17,18/03	54350	4	51/02	56041	4	21/03	61430	2	7/03
53242	12	52/02;1,13/03	54351	7	52/02	56042	6	22/02	61433	1	7/03
53244	2	1/03	54352	3	52/02;1,3/03	56043	6	22/02	61434	2	7/03
53262	7	22,42/02;21/03	54360	12	15,19,20,52/02;20,21/03	56044	3	22,38/02	61440	2	15/02
53263	1	37/02;17/03	54362	3	52/02	56060	8	33/02;12,16/03	61450	2	17,27/02
53264	5	17/03	54363	3	15,19,20/02;21/03	56063	1	21/02;16/03	61470	2	15/02
53265	6	19,35,41,46,52/02;15, 16/03	54364	2	52/02	56064	6	38/02;2,16/03	61472	1	15,20/02
53266	4	1,8,13,17/03	54365	6	15,19,36/02;11,21/03	56065	3	33,38/02;16/03	61500	2	17/02
53268	2	22,42/02;7/03	54366	3	15/02	56067	3	48/02*;20/03	61510	2	15/02
53269	5	19/02;17/03	54367	3	15/02	56081	19	41/02	61520	2	15/02
53279	3	7,15/03	54368	4	20/02	56083	2	31/02	61522	1	15/02
53281	4	31,40,52/02;15,18/03	54372	2	20/02	56100	13	41,49,50/02;1/03	61538	1	15/02
53282	8	40/02	54380	6	19,26,42/02;3,16,18/03	56101	6	33/02;1/03	61540	2	15,20/02
53283	4	33,52/02	54382	9	26/02;16/03	56102	23	1/03	61550	2	17/02
53284	3	33,40/02;7,21/03	54386	10	42/02;16,18/03	56103	6	18,30/02;1/03	61560	2	15/02;7/03
53285	4	35/02;7,15/03	54387	7	23,42/02;16,18/03	56104	2	41,49,50/02	61562	2	6/03
53287	6	20,27,35,42/02;1,5,7,8, 10,15/03	54389	8	43,52/02	56120	12	1/03	61581	5	18/02
53290	1	35/02	54400	8	20,32,43/02;3,16/03	56191	2	18/02	61582	4	18/02
53301	4	27/02	54402	4	52/02	56195	3	22/02*	61610	7	28,29/02
53302	4	51/02	54403	4	22,43,52/02	57029	9	12/03	61611	11	28/02
53303	6	49,51/02	54404	4	19/02	57035	10	10,12/03	61612	4	28/02
53306	2	21,39/02	54407	4	32,43/02;3,7,16/03	57063	5	40,41/02	61650	3	17/02;12/03
53311	3	39/02	54409	2	23,32/02;7,8,12/03	57064	3	41/02	62000	20	18,46/02
54040	3	37/02;6,10,20/03	54413	3	31/02	57101	18	41/02	62001	5	11/03*
54041	7	18,35/02;4,8,16,17/03	54418	4	32,43/02;3,7,16/03	57103	2	16/03	62024	13	38,40/02
54043	2	15,17,18,29/02;17/03	54419	2	3/03	57120	13	43/02	62028	15	18/02;10/03
54046	5	18,37/02;16/03	54421	6	28,47/02	57140	10	43/02	62032	16	11*,17,21/03
54061	11	52/02	54422	4	19/02*	57141	14	43/02	62033	3	N11*,N17,N21/03
54063	3	1,13/03	54423	5	48/02*;17/03	57142	6	43/02	62046	3	19/03*
54081	3	10/03	54430	1	26,28,37,43/02	57160	10	43/02	62050	6	18,44/02
54083	4	19/02	54440	6	30,41/02;17/03	57161	4	31/02	62092	7	41/02
54085	2	18,19,40/02;15/03	54441	6	30,42/02;2/03	57162	7	43/02	62093	7	16,41,49/02
54090	3	46/02*;11,15,19/03	54462	5	17/03	57165	1	43/02	62095	3	11/03*
54095	3	46/02*;8,15/03	54464	5	17/03	57170	1	43/02	62140	1	34,40/02
54105	3	46/02*;8,13,17,19/03	54480	8	22,30,36,41/02;2,17, 21/03	57200	6	11/03	62142	10	24,28/02
54115	3	46/02*;15/03	54481	8	22,30,36/02	57220	4	11/03	62143	3	24,28/02
54120	5	15,16,17,18,19,20,37,39, 41/02;15,17,19/03	55001	4	18,29,36,37,42/02;14, 15/03	57381	12	52/02;15,16/03	62170	2	38/02
54125	3	46/02*;15,17/03	55040	4	15,18,23,27,28,31,32,39, 41/02;16,20,21/03	57400	4	12/03	62171	4	38,47/02
54140	7	15,16,17,18,41/02;15/03	55041	7	15,22,32/02;21/03	57420	3	12/03	62191	15	11*,15/03
54151	1	15/02;3/03	55042	1	18,21,27,28,42/02;17/03	57460	4	10,12/03	62193	17	17*,19,31/02
54161	12	16,17,19/02;10,20,21/03	55043	2	21,23,27,28,37,39,42/02	57471	3	12,15/03	62194	8	17*,18,19,31,36/02;4/03
54165	2	33,37/02	55044	5	22,23,41,43/02;16/03	57472	2	12/03	62195	7	19/03*
54166	3	10/03	55045	18,21,23,24,41/02	57480	8	12,15/03	62222	5	19/03*	
54167	2	17,19/02;20/03	55046	4	21,22,23,26,27,30,31,37, 38,39,41,48/02;18,19/03	57484	19	15/03	62225	3	17*,37/02;17/03
54168	1	37/02;10,17/03	55047	8	22,23,26,27/02	60000	20	10,15/03	62241	10	9/03
54169	3	16,37/02;17/03	55048	12	23,27,32,36,37,39,41, 48/02;20/03	60001	8	17/02	62242	11	47/02;9/03
54180	6	19,41,43,50/02;5/03	55050	6	22,27,30,41,43/02	60105	4	10,15/03	62250	4	34,38/02
54195	2	5/03	55054	7	19,20,36,37/02	60106	5	12/03	62270	4	37,41/02
54200	4	21/02;5,8/03	55056	1	6/03	60107	3	18/02	62271	5	37,41/02;10/03
54201	6	21/02;8/03	55063	9	5/03	60108	4	18,24/02	62285	2	26/02
54222	4	21,43/02;20/03	55064	3	23,37,48/02;6/03	60109	2	17,28/02	62290	3	26,37,41/02;10,21/03
54223	2	21/02;8/03	55082	9	5/03	60121	3	18/02	62292	2	24/02
54224	2	21/02;8/03	55084	7	39/02	60120	4	9/03	62295	3	21/03
54225	2	21/02	55085	9	5/03	60171	9	18/03	62302	2	4/03
54226	2	50/02	55100	8	29,36,37/02;6/03	60180	4	9/03	62310	2	27/02
54227	2	50/02	55101	4	7/03	60190	5	12/03	62313	4	17*,27/02
54226	2	13/03	55102	3	24/02;4,5,15/03	60191	5	12,18/03	62314	3	8/03
54229	4	50/02*;2,15/03	55103	2	24,29,48/02;1,4,5,7,15, 19/20/03	60192	13	18/03	62355	6	8/03
54281	6	20/02	55104	2	48/02;4,5,7,14,19/03	61100	4	10,12/03	62360	5	18,38/02;12/03
54282	1	51/02	55105	7	18,29,36,41,42/02;14, 15/03	61110	3	28/02	62361	2	N18,N38/02;N12/03
54283	5	19,20,52/02	55127	2	10,14/03	61112	10	17/02	62366	3	38,40/02;2/03
54284	1	51/02;15/03	55110	2	23,24,29,37/02;6/03	61120	4	28/02	62392	7	18/02
54286	4	19/02	55120	2	36/02;6,14/03	61130	3	28/02	62393	7	34,37,50/02
54287	7	5,15/03	55127	2	10,14/03	61140	5	27/02	62394	10	34,37,50/02
54288	5	1/03	55128	2	26,33,36,38/02;1,4,5,8, 14/03	61141	6	38/02	62395	2	34,50/02
54289	8	19/02;1/03	55129	7	33,36,37/02;6,15/03	61142	6	38/02;7/03	62400	17	23,24,33/02;4,9/03
54300	12	31/02	55130	1	27,45/02;5,14,19/03	61170	5	27/02	62401	9	6,10/03
54302	1	31/02;21/03	55131	2	27,36,45/02;6,19/03	61180	4	20,27/02	62402	10	10/03*
54318	3	19/02;1,14/03	55130	2	27,45/02;5,14,19/03	61190	4	39,41/02	62403	3	6/03
54320	4	20,48/02;1/03	55131	1	27,36,45/02;6,19/03	61200	7	17,21/02	62406	2	24,33/02

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62408	7	15/02;10/03	63210	3	45,52/02;16/03	71314	5	6,10/03	74003	5	22,25,28,47/02;7,10/03
62409	6	7/03	63220	5	26,45,52/02	71315	2	27,31,34/02	74004	2	18,35,37,39,47/02;9/03
62411	1	52/02	63230	6	17*,45/02	71320	1	35/02;5,14/03	74005	2	18,19,31,34,35,46,47, 51/02;4,7,9,16/03
62413	11	33/02	63231	8	31,45/02	71325	8	5/03	74006	2	26,31/02
62417	1	52/02	63232	3	45/02	71330	13	35/02;5/03	74007	1	36/02
62419	6	33/02;8/03	63233	15	31/02	71331	11	5,7,8/03	74008	6	15,51/02
62420	5	33,37,39/02;8/03	63240	4	19/03	71333	2	6,7/03	74009	10	20,22,25,38,49/02;8,9, 21/03
62429	9	17,27,39,43/02	63250	6	29,40/02;11/03	71335	2	8/03	74012	10	17,20,22,26,37,40,49/02; 6,8,19,20/03
62431	8	26*,27,37/02	63271	8	19,52/02;8/03	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03	74015	10	20,40/02;21/03
62432	16	13/03*	63290	7	19,31,32,38/02;10/03	71343	3	7/03	74017	4	17,18,37,45/02;18/03
62433	12	15,30,31,34,45/02;1/03	63291	9	19,33/02;16/03	71348	3	18,35/02;7/03	74018	6	44/02
62434	9	40,46,52/02;8,12,17,18, 21/03	63310	5	11/03	71350	8	15,18,20/02;5,6,7,14/03	74020	4	16,17,33,37,38,43/02;5, 18/03
62437	9	32,46/02;21/03	63321	6	30,42/02;9/03	71400	5	14/03	74021	7	20,33,35,39,44/02;7, 10/03
62439	4	1/03	63322	2	30/02;9/03	71401	1	40,46,51/02;5/03	74024	7	31,44/02
62440	8	16/03*	63330	9	27,39/02;4/03	71402	1	18,40,46/02;4,5,6/03	74027	9	43,44/02
62441	10	16,36/02	63337	15	27,31,39/02;4/03	71410	1	39/02;12/03	74030	6	28,51/02
62448	2	23/02	63370	1	20/03	71420	1	38,39/02;3,12,14/03	74053	2	28,51/02
62449	4	15/02	63400	1	39/02;8,11/03	71430	3	11*,20/03	74054	2	28/02
62451	7	21,23/02	63410	6	39/02;8,9/03	71440	2	11/03*	74151	9	20,24,27,36,44/02;2, 20/03
62453	4	16/03*	63413	5	39/02	71445	1	7/03	74152	11	36,44/02
62455	7	17,27,39,43/02	63417	2	39/02	71450	1	22,25/02;7/03	74153	2	36,44/02;2/03
62456	1	27/02	63420	2	39,45/02;8/03	71455	2	11/03*	74162	4	36,46,47/02;8/03
62457	6	11/03*	63424	2	45/02	71460	1	15,20,25,41/02	74171	4	33,36,47/02;3,10,18, 20/03
62459	2	6/03	71005	1	34/02;2,6,12,13,16/03	71465	1	20/02	74172	5	36,47/02;7,10,18/03
62460	4	24,31,33/02;10/03	71006	5	39/02	71470	2	15,38/02;14/03	74181	8	23,28,33,35,37,38,39, 47/02;10/03
62464	2	15*,31,49,50/02;4/03	71009	3	39,46,48/02;1,6,7/03	72000	8	31,32,35,47,50/02;2,20, 21/03	74182	12	23,24,25,26,28,33,35,37, 38,39,41,42,44,51/02;6, 10,17/03
62480	2	16*,18/03	71012	3	19,33,39,46/02;1/03	72007	10	30,36,38,47,51/02;2,5,7, 11/03	74183	11	38,39,42/02;4,6,17/03
62490	2	16*,17,18,21/03	71018	10	15,33,35,37/02;7,12,13, 15,21/03	72014	10	46/02;7,19/03	74184	10	23,24,28,33,35,37,38,46, 48/02;17/03
62498	4	23,25,27,31/02;4,9/03	71027	9	15,19,20,22,24,25,34,38, 45,49/02;2,4,5,14,18/03	72021	8	31,36,38,47,50,51/02;7, 20/03	74186	7	18,34/02;4,10,17,21/03
62499	4	15*,25,27,31,49,50/02;4, 9/03	71033	31	15,23,37,38,49/02;3,12, 14,15/03	72028	7	15,31,34/02	74190	7	22,23,26,35,36,37,46/02; 1,16/03
62510	3	11*,12/03	71036	8	35,44/02;12,14/03	72035	8	16,31/02;8,21/03	74191	2	19,22,24,26,35,46,48/02;
62512	3	N11*,N12/03	71040	5	27,34,42/02;7/03	72045	2	16/02/03	74204	5	16,21,24,27,37/02;1,7,8/03
62520	6	20/03*	71042	1	34/02	72060	8	32,50/02	74205	2	16,24,25/02
62521	4	N20/03*	71043	2	25/02*	72070	4	32/02;2,9/03	74206	2	24,34/02
62530	6	20/03*	71044	1	27/02	72075	2	20/02;9/03	74210	7	25/02;7,17/03
62531	4	N20/03*	71058	2	23,36/02	72080	7	20,51/02;2,9/03	74220	8	17,22,23,33,37,43,47/02;
62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8,12,17,18,21/03	71059	1	23,36/02	72085	3	15/03*	74229	2	18,21,27,28,37,46/02;1, 8/03
62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02;N8,N12,N17, N18,N21/03	71061	15	23,36/02	72094	2	29,38/02;7/03	74230	7	28,39,42/02;5,7/03
62550	3	16/03*	71066	1	39/02;6,7,10/03	72100	7	29/02;7,19/03	74231	7	19,23,35/02;3,21/03
62560	4	16*,18/03	71071	5	15/02	72103	2	29/02;4,6,7,19/03	74232	9	15/02;5,7,21/03
62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02;8, 12,17,18/03	71081	3	16/02;21/03	72105	2	36,38/02;7,11,19/03	74234	1	8,17/03
62580	3	23,26,32,33,45/02;12/03	71091	4	1,2/03	72107	2	15,27,29/02;7,19/03	74240	8	15,34,39,42/02;4,5,7,8, 9/03
62590	2	16,28,29,36,40,46,48/02; 8,12,17,18,21/03	71104	6	33,39,46/02;1/03	72109	3	42,44/02	74251	8	15,17,23,25,26,31,32,34, 37,42,44,46,51/02;6,9,17, 21/03
63000	13	27,28,48/02	71108	29	33,37/02;7,12,13,15, 21/03	72110	9	15/02	74252	9	19,47/02;5,7,9/03
63005	18	12,25,31/02;16/03	71113	13	32/02	72130	4	46/02	74253	6	15,17,19,23,25,27,32, 47/02;8,9,16,20,21/03
63010	14	26,29,31,52/02	71118	24	7,13,15/03	72131	3	11/03	74254	1	8,17/03
63015	11	31,38,40,52/02;9/03	71118	2	7/03	72161	10	15/02;10/03	74256	2	15,17,18,19,25,31,38,41, 43,47,49/02;7,9,16,21/03
63020	15	27,31/02;4,9,11/03	71223	8	17/02	72173	2	15/02	74261	9	15,25,41,49/02/4,10/03
63040	2	46/02	71210	18	44/02;3/03	72181	2	36/02;7,11/03	74265	2	15,17,18,19,25,31,38,41, 43,47,49/02;7,9,16,21/03
63050	2	17,46/02	71211	4	38/02	72190	2	30/02;10/03	74270	3	18,19,26,31,38/02;7/03
63054	3	19*,31/02	71212	1	18,38/02	72201	8/03		74271	9	19,28,38,46/02;19/03
63055	2	29/02	71225	5	6,14/03	72203	2	16/02	74272	7	26,32/02;4,19/03
63060	7	25,28,32/02	71257	2	15,18,21,23,28/02;5,6,7, 12,13,16/03	72211	6	43/02;5,8/03	74273	5	18,19,31,38,41,43/02;7, 19/03
63062	7	18,28,29/02;7,16,18/03	71258	2	15,18,20,21,28,35/02;5,6, 7,13/03	72231	8	31/02;21/03	74274	7	3/03
63063	9	27,29/02;20/03	71261	8	35/02;2,16/03	72236	1	52/02	74281	2	46,49/02
63065	6	18/02	71262	7	6/03	73000	9	26,40,52/02;10,20,21/03	74283	2	46,49/02
63070	3	20,27,28,29/02;16/03	71265	3	46*,49/02;7,13,15,16, 20/03	73002	4	18,24,30/02;5,11/03	74285	2	31,34,35,45/02;1,9,16/03
63080	5	26,27,28,31,48/02	71271	10	23,25,30,34,35,42/02;19/03	73004	2	26/02/10/03	74286	2	15,22,24/02
63090	8	25,31/02;15/03	71272	10	23,30,34/02;19/03	73014	10	48,52/02	74287	2	27,34,38,52/02;9/03
63091	4	26,27,32,39,48,52/02; 9/03	71275	3	23,35/02;2,6,16,19/03	73016	4	15,44/02	74289	5	18,26/02;9/03
63100	2	15,44/02	71275	3	23,35/02;2,6,16,19/03	73018	4	16,52/02;3/03	74290	11	25,34,39,45,46,48,49, 51/02;1,7,9,10,16/03
63101	15	17,19/02;15/03	71281	7	51/02	73580	4	52/02	74292	8	27,34,38/02;9/03
63102	19	17,19,26/02;15/03	71281	7	51/02	73581	4	16,52/02;3/03	74293	7	25,34,45,48/02;9,16/03
63103	17	17,26,29/02;15,16/03	71285	3	23,25,30,34,35,42/02;13, 19/03	73580	6	16,31,47,52/02			
63110	4	40/02;16/03	71295	2	25,26,30,34,39,40,52/02;	73590	6	16,31,47,52/02			
63111	9	17,25,48/02;9/03	71295	2	12,19/03	73601	3	15,17,24,26,31,34,35, 47/02			
63120	2	44,48,52/02;8/03	71305	2	31,34,36/02;2,13/03	73610	4	26,31/02			
63121	5	48/02;5,8/03	71311	4	7/03	73631	4	36,46/02;1,17/03			
63121	5	15,25,31/02	71311	4	7/03	73640	5	23,36,47/02;16/03			
63120	5	52/02	71313	8	45/02	74000	6	24,36,47/02;2,7,18/03			
63201	9	40/02	71313	8	45/02	74002	2	18,25,27,28,35,47/02			

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 15/02 THROUGH NM 21/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
74294	3	25,34,45/02	75177	7	18,27,38,48,50,52/02;	83253	2	18/02;12/03	93652	2	3,6/03
74295	3	18,22/02;4,9/03			6/03	83382	9	20,25,27/02	93680	3	45,47/02
74296	4	27,34,38,49/02;9/03	75180	2	8/03	83383	2	20,25,27/02	93690	2	44/02;6/03
74320	3	35/02;8,18/03	75185	2	22,47/02;8/03	83385	19	20,27/02	93698	3	45/02
74330	3	15/02	75190	2	23,47/02	83392	5	31/02	93710	3	26/02;6,15/03
74340	3	15,27/02;16/03	75191	6	22,25,37,38,43,47/02;8,	83393	2	N31/02	93720	10	39,45,50/02;8,15,17, 20/03
74350	4	25/02;16/03			19/03	83397	6	18/02;1/03	93721	5	20,22,26,32,39,42,45, 50/02;4,11,17,20/03
74376	5	43/02;9,16/03	75193	6	22,49/02;1,5,7,10,16,	83425	6	20,35/02	93725	6	20,45/02
74380	4	22,32/02;8,9/03			19/03	83570	2	24/02	93726	4	26,48/02;8,12,17/03
74391	3	15/02	75207	2	36,52/02;4,16/03	83572	1	24/02	93730	3	21,39,40,42,45,47,50/02; 2,4,17/03
74392	7	16,22,25,39/02	75208	2	26,50/02	83574	2	7/03	93733	13	17,21,22,26,32,39,45/02; 4,19,20/03
74393	9	16,18,19,25,28,31,38,41, 50/02;3/03	75213	2	36,52/02	83580	2	24/02;8/03	93734	11	17,22,26,32,45/02;4,19, 20/03
74394	2	18,19,28,31,41,49,50/02; 3/03	75220	12	36,39,49/02;4,20/03	91005	6	45/02;19/03	93736	22	16,22,26,32,41/02;4, 20/03
74410	3	16,20,25,38/02;7/03	75224	4	36,39/02;2,4/03	91008	1	29,44,48/02;8,10,12/03	93778	8	47/02;7/03
74415	1	39/02	75228	6	34,36/02	91010	6	29,48/02;10,12/03	94004	6	19,29,30,33,37,44,52/02; 8,9,10,12,17,18/03
74420	3	45/02;19/03	75251	5	23,33,48/02;3,19/03	91020	5	19,21,22/02;19/03	94016	2	23,33,35,52/02;3,9,10,14, 17,21/03
74430	2	49/02	75261	6	17,21,23,24,33,36,48/02;	91025	8	21,22/02	94028	7	23,25,40,42,52/02;1,6, 8,9,11,14,17,21/03
74440	3	32,39/02;2/03			3,6/03	91030	3	21/02	94033	5	19,21/03
74450	3	21,22,26,49/02;2/03	75262	6	38/02;16/03	91080	4	21/02	94040	13	30,37,47,51/02;6,8,10,17, 18/03
74455	3	19,21,23,48/02;1,4/03	75263	9	17,32/02;5/03	91096	1	21/02	94042	9	47,51/02;7,18/03
74460	4	21,22,26,37,40,46,49/02; 6,20/03	75264	17	16,17,19,33,34,37,41,42, 44,45/02;2/03	91170	2	38,41,44/02	94060	10	27,29,30,33,37,46,47/02;
74465	2	9/03	75265	2	17,20,21,24/02;6,20/03	91280	7	19,22/02;19/03	94080	7	10,19/03
74470	2	8/03	76015	1	18,23,24,29,35,40/02	91286	10	20/02	94097	10	33/02;10,11/03
74475	2	24/02	76020	7	18/02	91298	19	19,20/02	94098	7	15,27,29,30,33,44,48/02;
74480	2	24/02	76030	9	24,49/02	91299	5	45,46/02;5/03	94106	10	10,19/03
74485	3	16,43/02	76050	8	24,49/02;18/03	92006	5	45/02	94027	7	23,25,40,42,52/02;1,6, 8,9,11,14,17,21/03
74492	7	16/02	76052	8	15,21/02;4,5/03	92010	3	19/02	94034	5	19,21/03
74493	3	16,38,43,45/02	76054	5	49/02	92020	2	19/02	94040	13	30,37,47,51/02;6,8,10,17, 18/03
74494	2	41/02;8,9,16/03	76056	3	9/03	92025	3	21/02	94061	5	19,33,35,47/02
74510	2	16,17,33,35,37/02;5,10, 17,18/03	76060	7	40/02	92030	4	19,21/02	94063	4	29,33,41/02;8,18/03
74515	4	20,28,33,35,39/02;4,7, 10/03	76070	9	23,35/02	92033	5	45/02	94067	10	33/02;10,11/03
74517	3	18,20,21,39,41/02;4/03	76071	9	23,35/02	92060	3	21/02	94080	7	10,17,18,21/03
74521	3	28,41/02	76080	8	1,18/03	92061	3	21/02	94082	8	25,27,30,44/02;8,19/03
74527	2	28/02	76083	3	1/03	92115	1	15/02	94083	12	17,25,44/02
74530	2	28,44/02	76110	5	23/02	92200	3	19/02	94084	1	23,25/02
74535	2	31,42,44,48/02	76120	6	22,23,25/02	92210	3	18*/19/02	94120	6	19,21,33,38,48,52/02;9, 10,17,18,21/03
74545	3	28,40/02;18/03	76140	7	46/02	92214	4	19/02	94122	7	19,30,40/02
74550	4	5/03	76141	8	19,46/02	92216	3	23/02*	94123	9	21,33,38,44,52/02;9, 10,15,17,18/03
74555	3	34,43,44,48,51/02;5/03	76142	1	46/02	92290	2	19/03	94124	13	38,42,44/02;10,15,17/03
74560	10	23,28,32,40,43,46,48, 50/02;4,5,18/03	76150	6	35/02	92296	3	19/03	94127	2	21,33,38/02;6,9,13,16, 18/03
74561	2	5/03	76161	10	40/02	92450	3	21/02	94160	7	26,27,33,38,44,46,47,50, 51,52/02;9,10,12,16,17, 18,19/03
74581	9	20,26,32,34,36,40,41,43, 45/02	76162	1	18/03	92560	4	45/02	94164	2	26,27,46,50,51/02;12,16, 19/03
74582	9	18,26,28,40/02;17,20/03	76180	1	18,22,23/02	93010	6	15,17,22,27,38,40,41/02;	94165	4	20,26,50/02;18/03
74583	15	26,32,34,40,43,44,48/02	81002	6	18/02	93018	8	27/02;1,14,18/03	94180	9	26,32,42,44,47,50,51,52/02; 9,10,11,12,16,17,18,19/03
74584	5	18,22,25,32,34,41,43, 45/02	81023	5	18/02	93020	2	15,24,38/02;4,13/03	94206	3	22,26,41,42,44,47,52/02; 11,19/03
74590	2	28,51/02	81067	9	51/02;10,12,16/03	93022	4	18/02	94207	5	N26,N42,N44,N47, N52/02;N11,N19/03
74591	7	40/02;8/03	81092	3	38*/50/02	93025	5	45/02	94208	6	N44/02
74595	2	28/02	81711	6	23/02	93030	6	18,45/02	94216	6	27,45/02;10,17/03
75000	6	47/02;6/03	81715	4	23/02	93032	3	45/02	94217	4	30/02;6/03
75001	3	23,47/02;5,6/03	82005	5	17/03	93043	1	45/02	94218	3	30,36/02;6,18/03
75010	7	16,18,41,42,50/02	82010	6	17/03	93046	1	45/02;5/03	94219	1	47/02
75025	9	22,23,36,39/02;2,4,8/03	82015	13	22/02	93047	2	45,49/02	94220	4	22,26,41,42,44,47,49/02; 8,10,11,17,18/03
75035	18	21,24,36,39/02;2,6/03	82020	7	22/02	93048	1	35,49/02;5,14/03	94260	5	49/02;1,6,11/03
75051	6	16/02;5/03	82030	8	18/02	93049	1	45/02;4/03	94280	5	51/02;15/03
75052	2	16/02	82200	2	17/03	93061	4	45/02	94281	6	6/03
75110	2	50/02	82210	2	42,48/02	93101	2	N24,N34,N38/02;N2/03	94282	9	46/02;8/03
75120	2	16,42/02	82242	1	35,48,50/02	93110	2	22,24,38,40,41/02;1,2/03	94283	7	46/02;2,8,12/03
75130	16	16,18,21,27,31,34,41,50, 51/02;5,7,8,16,19/03	82244	5	35,48,42/02;20/03	93115	2	40,41/02	94290	2	1,7/03
75131	7	18,20,28/02;17/03	82374	9	22/02	93117	2	19,40,41/02	94322	14	8/03
75132	11	31/02;17,19/03	82377	2	22/02	93160	4	15*,27,34/02;1,14/03	94360	6	18,32,43/02;6,13/03
75134	3	23,27,33,51/02;5,19/03	82580	2	19/02	93180	7	27,34/02	94361	13	18,32/02;13,15/03
75142	5	15,21,28,36,42,50/02	82646	2	19,33/02	93200	4	26,27/02	94363	4	32,43/02;16,18/03
75143	4	15,20,28,32,33,36,38,42, 50/02	82649	5	18,20,33/02	93240	11	17,34/02;16/03	94364	5	49/02;1,6,11/03
75144	3	20,31,33,36,42,51/02;4, 10,18/03	82683	4	18,33/02;17/03	93241	9	8,16/03	94365	5	51/02;15/03
75150	5	16,50/02;16,19/03	82689	3	18,33,38/02;7/03	93243	6	42/02	94366	5	49/02;1,6,11/03
75160	6	22,23,24/02;17,18,19/03	82690	10	18,19,20/02	93244	7	16/03	94367	6	6/03
75170	12	38,39/02;8/03	82694	6	38/02;17/03	93245	6	16/03	94368	9	46/02;8/03
75171	22	17,18,22,27,31,32,33,36, 38,40,42,48,52/02;1,6, 16/03	82697	6	38,46/02	93247	4	26/02	94369	7	46/02;2,8,12/03
75172	5	39/02	83010	6	6/03	93247	5	31/02;7/03	94370	2	19,44/02;6/03
75173	9	17,20,25,31,32,33,36/02; 1,6,20/03	83023	4	25,27,43/02	93280	4	18/03	94420	3	39/02;4,8,11,13,14/03
75174	9	16,18,31,33,38,40,45, 50/02;6,18/03	83025	1	12/03	93360	5	38/02	94421	10	15,45/02;4/03
75175	9	17,27,22,27,31,32,33,36, 38,40,42,48,52/02;1,6, 16/03	83032	32	18,41/02;6/03	93385	6	18/02	94422	12	19,45/02;11/03
75176	9	17,27,42,50/02	83032	1	18/02	93420	4	18/02	94423	5	5/03
75177	9	17,20,25,31,32,33,36/02;	83032	8	18/02;2,12/03	93440	2	18/02	94434	3	5/03
75178	9	16,18,31,33,38,40,45, 50/02;6,18/03	83251	2	2,12/03	93520	13	45/02;15/03	94435	3	5/03
75179											

SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
94427	2	N32/02	95250	4	44/02;1,6,16,20/03	97105	3	20/02	97251	4	6,10,17/03
94440	2	46/02;18/03	95255	2	44/02;1,7,13/03	97108	3	21/03	97261	15	17,18,41/02;1,5,7,18, 21/03
95016	8	40/02	95258	3	6,16,18/03	97120	6	15,22,28,31,37,40,42, 43/02;9,14,16,17/03	97262	10	21,29,34/02;1,5,6,7,15, 21/03
95040	8	40/02;11/03	95261	7	48/02;1,5,9,16/03	97140	17	15,22,33,37,39,43,45/02; 7,9,14,16/03	97263	10	5,7,9,15,18,21/03
95060	13	15,16,40,43,44,47,48, 52/02;1,6,11,14,17,19, 21/03	95262	13	41,46/02;1,6,9/03	97141	5	19,21,40,46/02;8,13, 20/03	97266	5	17,37,41/02;1,5,6,7,14, 15,18/03
95065	5	48/02;10/03	95267	5	17/02;13,20/03	97143	11	21,31,43,45/02;9,13, 20/03	97267	16	17,18,25,29,40,41/02;1,5, 6,8,10,13,18/03
95066	11	15,16,18,19,20,41,43,44, 47,48,49,50/02;1,5,6,17, 19,21/03	95268	16	39,48/02;6,9,13/03	97144	14	44*,46/02;7,8,9,13,20/03	97268	10	6/03
95067	13	18,41,44,46/02;1,5,10, 17/03	95270	4	48/02;9,10,13,20,21/03	97145	1	15,22,43/02;8,9/03	97269	11	20,45/02;8,13,18/03
95068	1	41,42,45,47/02;12,14, 17/03	95271	4	44,48/02;9,10,12,13, 20/03	97146	10	44/02*;15/03	97270	6	36,44/02;1,5/03
95080	13	16,18,25,27,30,33,40,44, 45,50,52/02;1,6,7,9,10, 14,17,19,21/03	95281	15	7,10,14/03	97148	9	21*,23,45/02;9/03	97271	12	17,18,25,29,37,39/02;6, 10,12/03
95082	9	19,21,25,27,30,33,44, 46/02;1,4,7,11,17/03	95282	7	46,52/02;4,6,9,19,20/03	97149	20	25,34,35,44,45/02;1, 16/03	97272	11	19,52/02;6,10,12,14/03
95083	8	21,25,33/02;1,4,19/03	95285	3	18,20/03	97150	13	34,39,43,44/02;20/03	97273	10	19,27,34,42,45,49/02;6,8, 9,13,14,15,18/03
95084	7	15,16,18,50,52/02;8,12, 17/03	95300	5	16,45,48,52/02	97151	16	31,35,44,45/02;12,13,14, 16,20/03	97274	19	19,27,31,34,39,45/02;6,9, 15,17,18/03
95085	4	15,45,52/02;1,6,11,12/03	95300	15	35,38/02;20,21/03	97152	8	37/02;20/03	97276	1	27,29,40/02;9/03
95086	5	15,45,52/02;1,6,8,11, 12/03	95341	8	18,19,42,47/02;1,10/03	97153	7	31/02;16,20/03	97277	11	17,27/02;1,5,6,8,9,14/03
95087	3	19,21,25,33,40,48/02;1, 8/03	95342	16	30/02;9,13,16,20/03	97154	2	36/02	97278	11	39/02;1,20/03
95100	12	15,16,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03	96004	14	16,17,44,45/02	97155	14	20,31,35,36,37,39,40, 48/02;12,13,18,20/03	97279	9	27/02;9/03
95101	8	15,39,44,50/02;1,5,6,9, 14,17/03	96020	4	41/02	97156	6	21,37/02;1,14/03	97280	4	52/02
95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14, 17/03	96032	3	38/02	97157	1	35,37/02	97281	2	41/02
95103	8	42,43,45,47,52/02;4,6,7, 10,12,19/03	96039	7	16,17,30/02	97159	6	33,39/02;7,14,16/03	97283	3	45/02;9/03
95104	12	15,16,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03	96041	11	16,17,30/02	97163	14	23/02;14/03	97285	6	19,23,27,31,34,42/02;7, 13,17/03
95105	8	16,17,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03	96043	8	16/02	97164	1	7,14,16/03	97286	6	21,23,25,27,31,34,35,36, 41,42/02;6,8,10,13,17/03
95106	7	16,17,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03	96044	10	29,30/02	97165	1	7,16/03	97287	5	34/02;20/03
95107	8	16,17,18,38,39,43,44,45, 46,47,50,52/02;1,4,6,7,8, 9,10,17/03	96120	6	30/02;21/03	97166	1	33/02;21/03	97300	6	1,13/03
95108	7	16,17,20,21,42,43,52/02;1,4, 14,21/03	96140	5	30/02	97167	2	23,33/02;21/03	97303	3	18,25,47,48/02
95109	8	16,17,21,25,33,40,48/02;1, 8/03	96379	1	10/03	97180	6	23,31,34,39,43,45,46, 48/02;4,8,13,20/03	97320	6	33/02;14/03
95110	8	16,17,21,25,33,40,48/02;1, 8/03	96381	2	10/03	97181	20	18,22,25,31,34,46,48/02; 1,4,7,8,12,13,14,17,18, 20/03	97340	8	27,33,38,52/02;16,17, 18/03
95111	8	16,17,21,25,33,40,48/02;1, 8/03	96400	4	12/03	97182	13	18,21,23,31,34,39,46, 48/02;1,4,5,6,7,8,12,14, 17,18,20,21/03	97341	9	27,34/02;16,21/03
95112	7	16,17,21,25,33,40,48/02;1, 8/03	96441	1	41/02;10/03	97183	9	25,44/02;5,9,14,16,18/03	97342	14	27,38/02;17,18/03
95113	8	16,17,21,25,33,40,48/02;1, 8/03	96480	3	41/02	97184	15	25,48,47/02;1,7,12,14, 18/03	97343	12	27,38/02;17/03
95114	8	16,17,21,25,33,40,48/02;1, 8/03	96500	6	41/02;10/03	97185	2	43/02;7,13/03	97360	6	20,23,27,38/02;5,7,13, 18/03
95115	9	16,17,21,25,33,40,48/02;1, 8/03	96520	7	10/03	97186	3	21,23,25,27,31,34,35,36, 41,42/02;6,8,10,13,17/03	97380	7	21,39,47,52/02;1,2,8, 16/03
95116	9	16,17,21,25,33,40,48/02;1, 8/03	96521	3	N19/02*/21/03	97187	3	44/02;9,18/03	97381	7	27/02;7,13/03
95117	8	16,17,21,25,33,40,48/02;1, 8/03	96540	5	10/03	97188	2	1,7,13,17/03	97382	2	41,45/02;4/03
95118	15	15,18,22,38,40,41,44,48, 49,52/02;1,7,8,9,10,17, 21/03	96560	5	10/03	97189	2	25,28,44/02;9,14,18/03	97383	16	31/02;5,7,13/03
95119	5	15*,18,19,50,52/02;8,10, 19/03	96621	5	10/03	97190	2	23,34,39,52/02;8,13/03	97384	4	47/02;19/03
95120	8	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96645	1	26/02	97200	9	52/02;8,16,17/03	97385	10	31,52/02;5,6,7,9/03
95121	9	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96763	7	29,43,48/02;9,17/03	97201	7	18/03	97387	2	4,5,7/03
95122	11	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96764	2	19/02;7/03	97202	15	43,44,52/02;20/03	97389	1	39/02
95123	9	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96800	4	19*,41/02	97204	9	28,29,45,52/02;4,6,10,19, 20/03	97390	5	31,39,40/02;2,5,12,16/03
95124	9	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96840	3	19/02	97205	3	18/03	97391	26	31/02;6,7,12,16/03
95125	9	15,18,20,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12,13,16,17,19/03	96901	3	19,27/02;7/03	97218	3	21,41/02;6/03	97392	5	21/02;1,21/03
95126	14	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96904	2	27,41/02;12/03	97219	4	21,25,31/02;6,9,13,20/03	97396	14	18,21,36,39,40/02;2,16, 17/03
95127	14	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96906	2	27/02	97220	3	22,24,31,37,39,42,43, 44/02;6,8,9,17,18/03	97397	7	18,25,39,49/02;16/03
95128	13	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96910	1	10/03	97221	20	21,24,31,37,39,42,44,45/ 49,52/02;6,8,9,10,13,17, 18,19,20/03	97398	3	21,25,49/02
95129	13	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96937	2	40/02	97222	12	25,28,47/02;10/03	97400	3	25,26/02;1,12,17,21/03
95130	9	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96938	4	4/03	97223	3	42,44,48/02;16,17/03	97410	8	21/02;17,19/03
95131	8	15,18,20,38,39,40,41,44,46, 47,48,50,52/02;1,8,9,16,17, 21/03	96941	8	47/02	97224	6	18,25,27,46,47,49/02	97412	7	40/02
95132	17	15,18,24,34,36,37,38,40,47, 48,49,52/02;8,9,19/03	96943	15	44/02;1,9,10,11,12,20/03	97225	31	21,24,37,39,42,44,45/02; 6,8,9,10,17,18,19/03	97420	17	21,34,39,42,47,52/02;1,8, 10/03
95133	5	15,18,24,34,36,37,38,40,47, 48,49,52/02;8,9,19/03	96944	6	45,52/02;6,13,20/03	97226	7	17/02;18/03	97421	13	20,35,36/02;1,10,13, 20/03
95134	5	15,18,24,34,36,37,38,40,47, 48,49,52/02;8,9,19/03	96945	3	43,52/02;20/03	97227	11	21,24,42,43/02;9,18/03	97423	2	20,35,36/02;1,13,20/03
95135	5	15,18,24,34,36,37,38,40,47, 48,49,52/02;8,9,19/03	96947	15	6,12,13/03	97228	15	21,28,30,39,40,42,43/02; 5,6,9,15,17,18,20,21/03	97425	6	34,39,47,52/02;1,6,8, 10/03
95136	2	15,22,34,36,37,38,43/02; 19/03	96948	8	21/03	97229	12	18,24,27,31,36,39,47/02; 6,8,9,18/03	97440	8	20,23,27,52/02;1,16, 19/03
95137	13	15,27,41,42,47,52/02;1,6, 8,9,11,17,19,21/03	96949	21	45/02	97230	18	29,36/02;6,9/03	97441	5	20,46/02
95138	3	15,27,41,42,47,52/02;1,6, 8,9,11,17,19,21/03	96950	3	7/03	97231	11	21,41/02;6/03	97443	6	15,19/03
95139	16	15,27,31,40,45,48,50/02;1,5, 6,8,9,10,17,19/03	96962	4	19,30,35/02;1,9/03	97232	8	15,20,25/02	97446	9	21/02;5,8,19,21/03
95140	2	15,20,40,44,47/02;10,14, 19/03	97000	3	17/03	97233	11	31,33,43,44,49/02;1,5,6, 9,15,16/03	97447	9	21/02;1,5,7,19/03
95141	2	15,20,40,44,47/02;10,14, 19/03	97021	7	16/02	97234	17	29,43,47,49/02;1,6,8,9, 16/03	97448		

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 15/02 THROUGH NM 21/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.			
800744	1	N22,N49/02;N5,N12, N13,N16/03			
801217	1	N21/02;N6,N8,N19, N20/03			
801885	3	N28/02			
802202	8	N23,N31,N35/02;N1, N7/03			
802260	5	N20/02			
803404	2	N26/02			
804037	1	N28/02			
804059	2	N20/02			
804567	4	N17/02			
805118	3	N12/03			
805647	2	N37,N51/02			
807370	5	N17/03			
807861	2	N27/02			
808365	2	N14/03			
808528	1	N25/02			
809055	7	N16/03			
809310	9	N18,N39/02			
809679	2	N25,N50/02;N12/03			

SECTION II

NM 21/03

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11AHA11361 (7642014010133)	Mississippi River Delta (LORAN-C) Insets: Southwest Pass South Pass Head of Passes (Insets not shown on index)	80,000 40,000 40,000 40,000	70	4/03	NOS	1-94	21/03	
11AHA11537 (7642014010164)	Cape Fear River	40,000	34	4/03	NOS	1-94	21/03	
12AHA12304 (7642014010327)	Delaware Bay (LORAN-C)	80,000	43	3/03	NOS	1-95	21/03	
12XHA12338 (7642014010376)	Newtown Creek, East River	5,000	9	3/03	NOS	1-95	21/03	
13XHA13282 (7642014010469)	Newburyport Harbor and Plum Island Sound	20,000	11	4/03	NOS	1-95	21/03	
18AHA18772 (7642014011536)	Approaches to San Diego Bay	20,000	47	2/03	NOS	1-99	21/03	
REGION 2								
25ACO25671 (7642014012018)	West Coast of Puerto Rico	100,000	18	3/03	NOS	2-63	21/03	
26ACO26290 (7642014014989)	Canceled					2-50,53, 64	21/03	
26ACO26295 (7642014957594)	<u>Tongue of the Ocean-Southern Part</u> <u>23 22 00N 77 57 30W</u> <u>24 57 00N 76 30 00W</u>	150,000	1	3/03	A	2-50,53, 64	21/03	
26XCO26300 (7642014012133)	<u>Little Bahama Bank to Eleuthera Island</u> <u>Little Bahama Bank</u> <u>Eleuthera Island</u>	300,000 300,000	7	3/03	A	2-50,64	21/03	
26ACO26308 (7642014012088)	<u>Tongue of the Island-Northern Part</u>	150,000	5	3/03	A	2-50,64	21/03	
REGION 6								
62ACO62220 (7642014013337)	<u>Gulf of Aqaba</u> <u>Inset: Gulf of Aqaba-Northern Part</u>	150,000 150,000	9	4/03	A	6-10,24	21/03	
MISCELLANEOUS CHARTS AND PUBLICATIONS								
DNCDX023 (7644014360296)	Northern Asia		10	3/03	DS	10-43	21/03	
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SECTION II

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

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NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS**PUB 120 2 Ed 2001 LAST NM 17/03**

Page 43—Lines 10 to 11/R; read:

Canada is a confederation with a parliamentary democracy. The country is divided into ten provinces and three territories.

Elizabeth II, recognized as the Chief of State, appoints a Governor-General. The Governor-General appoints a Prime Minister after Parliamentary elections are held. The bicameral Parliament consists of a 105-member Senate, appointed by Governor-General for 5-year terms, and a directly-elected 301-member House of Commons, serving 5-year terms.

The legal system is based on English common law, except in the province of Quebec, where the legal system is based on French civil law.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 51—Lines 47 to 52/R; read:

The U.S. Embassy is situated at 490 Sussex Drive, Ottawa, Ontario.

The mailing address is P.O. Box 5000, Ogdensburg, NY 13669-0430.

U. S. Embassy Canada Home Page
<http://www.usembassycanada.gov>

(NIMA) 21/03

Page 197—Lines 2 to 23/R; read:

Russia is a federation. The country is divided into 89 various administrative entities.

Russia is governed by a directly-elected President serving a maximum of two consecutive 4-year terms. The bicameral Federal Assembly is composed of the 178-member appointed Council of the Federation (upper chamber), serving 4-year terms, and the 450-member State Duma (lower chamber), of which 225 members are directly elected and 225 members are elected on the basis of proportional representation, serving 4-year terms.

The legal system is based on civil law.

The capital is Moscow.

Holidays

The following holidays are observed:

January 1	New Year's Day
January 7	Russian Orthodox Christmas
February 24	Defenders' Day
March 8	International Women's Day
May 1 and 2	Spring and Labor Holiday
May 9	Victory Day
June 12	Independence Day
August 22	Day of the Russian Federation State Flag
November 7	Day of Accord and Conciliation
December 12	Constitution Day

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 202—Lines 52 to 54/R; read:

The U.S. Embassy is situated at Bolshoy Devyatinskiy Pereulok No. 8, 121099 Moscow.

The mailing address is APO AE 09721.

U. S. Embassy Russia Home Page
<http://moscow.usembassy.gov>

(NIMA) 21/03

PUB 140 2 Ed 2001 LAST NM 19/03

Page 16—Lines 13 to 14/L; read:

Canada is a confederation with a parliamentary democracy. The country is divided into ten provinces and three territories.

Elizabeth II, recognized as the Chief of State, appoints a Governor-General. The Governor-General appoints a Prime Minister after Parliamentary elections are held. The bicameral Parliament consists of a 105-member Senate, appointed by Governor-General for 5-year terms, and a directly-elected 301-member House of Commons, serving 5-year terms.

The legal system is based on English common law, except in the province of Quebec, where the legal system is based on French civil law.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 47—Line 10/R; insert after:

Air Cushion Vehicles operate between Malmo and Kobenhavn, on the same route as hydrofoils. They have a maximum speed of 35 knots and operate in accordance with the International Rules of the Road. When airborne they carry a rotating yellow warning light. The vehicle makes difficult

PUB 140 (Continued)

leeway with the wind abeam. Signals made on a ship's bell are difficult to hear aboard the air cushion vehicle.

(NIMA) 21/03

Page 57—Lines 27/L to 11/R; read:

Egypt is a republic. The country is divided into 26 governorates.

Egypt is governed by a President, nominated by the People's Assembly to serve a 6-year term, and confirmed in a national referendum. The unicameral 454-member People's Assembly, which is the principal legislative body, consists of 444 directly-elected members and 10 appointed members, all serving 5-year terms. There is also a 264-member Advisory Council, which functions only in a consultive capacity; it is composed of 176 directly-elected members and 88 appointed members.

The legal system is based on English common law, Islamic law, and the Napoleonic code.

The capital is Cairo.

Holidays

The following holidays are observed:

January 7	Coptic Christmas
April 25	Sinai Liberation Day
May 1	Labor Day
July 23	Revolution Day
October 6	Armed Forces Day

Islamic holidays, which are subject to the appearance of the moon, include Eid Al-Fitr (End of Ramadan), Eid Al-Adha (End of Pilgrimage), Hijrah (Islamic New Year), Sham El Nessim (Spring Holiday), and the Prophet's Birthday.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 58—Lines 9 to 11/R; read:

The U.S. Embassy is situated at 5 Latin America Street, Garden City, Cairo.

The mailing address is Unit 64900, Box 15, APO AE 09839-4900.

U. S. Embassy Egypt Home Page
http://cairo.usembassy.gov

(Department of State) 21/03

Page 115—Lines 24 to 25/L; read:

The official currency is the new Israeli shekel (NIS), consisting of 100 new agorot.

(Statesmen's Yearbook) 21/03

Page 115—Lines 14 to 20/R; read:

Israel, an independent sovereign republic, was originally

proclaimed in 1948. The country is divided into six districts.

The Knesset, directly elected for a 4-year term, is a 120-member Parliament. The system of election is by proportional representation. Executive power lies in the Cabinet, headed by the directly-elected Prime Minister. The President of the Knesset, who serves as chief of state for a maximum of two 5-year terms, is chosen by the Knesset.

The legal system is based on English common law, British Mandate regulations, and, in personal matters, Jewish, Christian, and Muslim traditions.

The capital, as proclaimed in 1950, is Jerusalem. The United States, like nearly all other countries, does not recognize this status and maintains its Embassy in Tel Aviv.

Holidays

The following holiday is observed:

Labor Day May 1

Other holidays, which are dependant on the appearance of the moon, include Passover, Independence Day, Pentecost, Rosh Hashana (Jewish New Year), Yom Kippur (Day of Atonement), and the Feast of the Tabernacles.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 116—Lines 39 to 40/R; read:

The mailing addresses are, as follows:

1. International mail—
PSC 98, Box 100
Tel Aviv
2. Diplomatic pouch—
APO AE 09830

U. S. Embassy Israel Home Page
http://telaviv.usembassy.gov

(CIA Factbook) 21/03

Page 167—Lines 5 to 18/L; read:

The Kingdom of Norway is a constitutional monarchy. The country is divided into 19 provinces.

Norway is ruled by a king, in conjunction with a Prime Minister and the cabinet, who are appointed by the King with the approval of the Storting. The unicameral Storting consists of 165 members, directly elected according to a system of proportional representation, for 4-year terms.

The legal system is based on a mixture of customary law, civil law, and common law traditions.

The capital is Oslo.

PUB 140 (Continued)**Holidays**

The following holidays are observed:

January 1	New Year's Day
Holy Thursday	Variable
Good Friday	Variable
Easter Monday	Variable
May 1	Norwegian Labor Day
May 17	Norwegian Constitution Day
Ascension Day	Variable
Whit Monday	Variable
December 25	Christmas Day
December 26	Second Christmas Day

(CIA Factbook; Department of State;
Statesmen's Yearbook)

Holidays

The following holidays are observed:

January 1	New Year's Day
January 7	Russian Orthodox Christmas
February 24	Defenders' Day
March 8	International Women's Day
May 1 and 2	Spring and Labor Holiday
May 9	Victory Day
June 12	Independence Day
August 22	Day of the Russian Federation State Flag
November 7	Day of Accord and Conciliation
December 12	Constitution Day

(CIA Factbook; Department of State;
Statesmen's Yearbook)

Page 171—Lines 52/L to 7/R; strike out.
(NIMA)

21/03

Page 172—Lines 39 to 41/R; read:

The U.S. Embassy is situated at Drammensveien 18, Oslo.
The mailing addresses are, as follows:

1. Norway address—
Drammensveien 18
0244 Oslo
2. U. S. address—
PSC 69, Box 1000
APO AE 09707

U. S. Embassy Norway Home Page
<http://www.usa.no>

(NIMA)

21/03

Page 184—Lines 8 to 17/L; read:

Russia is a federation. The country is divided into 89 various administrative entities.

Russia is governed by a directly-elected President serving a maximum of two consecutive 4-year terms. The bicameral Federal Assembly is composed of the 178-member appointed Council of the Federation (upper chamber), serving 4-year terms, and the 450-member State Duma (lower chamber), of which 225 members are directly elected and 225 members are elected on the basis of proportional representation, serving 4-year terms.

The legal system is based on civil law.
The capital is Moscow.

January 1	New Year's Day
January 7	Russian Orthodox Christmas
February 24	Defenders' Day
March 8	International Women's Day
May 1 and 2	Spring and Labor Holiday
May 9	Victory Day
June 12	Independence Day
August 22	Day of the Russian Federation State Flag
November 7	Day of Accord and Conciliation
December 12	Constitution Day

(CIA Factbook; Department of State;
Statesmen's Yearbook) 21/03

Page 190—Lines 47 to 49/R; read:

The U.S. Embassy is situated at Bolshoy Devyatinskiy Pereulok No. 8, 121099 Moscow.

The mailing address is APO AE 09721.

U. S. Embassy Russia Home Page
<http://moscow.usembassy.gov>

(NIMA)

21/03

Page 201—Line 11/R; insert after:

Air Cushion Vehicles operate between Malmo and Kobenhavn, on the same route as hydrofoils. They have a maximum speed of 35 knots and operate in accordance with the International Rules of the Road. When airborne they carry a rotating yellow warning light. The vehicle makes difficult leeway with the wind abeam. Signals made on a ship's bell are difficult to hear aboard the air cushion vehicle.

(NIMA) 21/03

PUB 160 2 Ed 2002**LAST NM 19/03**

Page 59—Line 8/R to Page 60—Line 23/L; read:

Egypt is a republic. The country is divided into 26 governorates.

Egypt is governed by a President, nominated by the People's Assembly to serve a 6-year term, and confirmed in a national referendum. The unicameral 454-member People's Assembly, which is the principal legislative body, consists of 444 directly-elected members and 10 appointed members, all serving 5-year terms. There is also a 264-member Advisory Council, which functions only in a consultive capacity; it is composed of 176 directly-elected members and 88 appointed members.

The legal system is based on English common law, Islamic law, and the Napoleonic code.

PUB 160 (Continued)

The capital is Cairo.

Holidays

The following holidays are observed:

January 7	Coptic Christmas
April 25	Sinai Liberation Day
May 1	Labor Day
July 23	Revolution Day
October 6	Armed Forces Day

Islamic holidays, which are subject to the appearance of the moon, include Eid Al-Fitr (End of Ramadan), Eid Al-Adha (End of Pilgrimage), Hijrah (Islamic New Year), Sham El Nessim (Spring Holiday), and the Prophet's Birthday.

(CIA Factbook; Department of State;
Statesmen's Yearbook) 21/03

Page 61—Line 9/R; read:

The mailing address is Unit 64900, Box 15, APO AE 09839-4900.

U. S. Embassy Egypt Home Page http://cairo.usembassy.gov

(Department of State) 21/03

Page 114—Lines 5 to 12/L; read:

Israel, an independent sovereign republic, was originally proclaimed in 1948. The country is divided into six districts.

The Knesset, directly elected for a 4-year term, is a 120-member Parliament. The system of election is by proportional representation. Executive power lies in the Cabinet, headed by the directly-elected Prime Minister. The President of the Knesset, who serves as chief of state for a maximum of two 5-year terms, is chosen by the Knesset.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 115—Table/bottom; replace with below:

U. S. Embassy Israel Home Page http://telaviv.usembassy.gov
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(NIMA) 21/03

PUB 180

3 Ed 2002

LAST NM 17/03

Page 44—Lines 22 to 39/R; read:

Canada is a confederation with a parliamentary democracy. The country is divided into ten provinces and three territories.

Elizabeth II, recognized as the Chief of State, appoints a Governor-General. The Governor-General appoints a Prime Minister after Parliamentary elections are held. The bicameral Parliament consists of a 105-member Senate, appointed

by Governor-General for 5-year terms, and a directly-elected 301-member House of Commons, serving 5-year terms.

The legal system is based on English common law, except in the province of Quebec, where the legal system is based on French civil law.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 53—Line 8/L; insert after:

U. S. Embassy Canada Home Page http://www.usembassycanada.gov
--

(NIMA) 21/03

Page 80—Lines 2 to 8/R; read:

The U.S. Embassy is situated at Laufasvegur 21, Reykjavik.

The mailing addresses are, as follows:

1. Iceland address—
Laufasvegur 21
101 Reykjavik
2. U. S. address—
PSC 1003, Box 40
FPO AE 09728-0340

U. S. Embassy Iceland Home Page http://www.usa.is

(NIMA) 21/03

Page 85—Lines 11 to 29/L; read:

The Kingdom of Norway is a constitutional monarchy. The country is divided into 19 provinces.

Norway is ruled by a king, in conjunction with a Prime Minister and the cabinet, who are appointed by the King with the approval of the Storting. The unicameral Storting consists of 165 members, directly elected according to a system of proportional representation, for 4-year terms.

The legal system is based on a mixture of customary law, civil law, and common law traditions.

The capital is Oslo.

PUB 180 (Continued)**Holidays**

The following holidays are observed:

January 1	New Year's Day	
Holy Thursday	Variable	
Good Friday	Variable	
Easter Monday	Variable	
May 1	Norwegian Labor Day	
May 17	Norwegian Constitution Day	
Ascension Day	Variable	
Whit Monday	Variable	
December 25	Christmas Day	
December 26	Second Christmas Day	
(CIA Factbook; Department of State; Statesmen's Yearboom)		21/03

Page 89—Lines 25 to 31/L; read:

The U.S. Embassy is situated at Drammensveien 18, Oslo.
The mailing addresses are, as follows:

1. Norway address—
Drammensveien 18
0244 Oslo
2. U. S. address—
PSC 69, Box 1000
APO AE 09707

U. S. Embassy Norway Home Page
http://www.usa.no

(NIMA) 21/03

Page 90—Lines 20 to 31/R; read:

Russia is a federation. The country is divided into 89 various administrative entities.

Russia is governed by a directly-elected President serving a maximum of two consecutive 4-year terms. The bicameral Federal Assembly is composed of the 178-member appointed Council of the Federation (upper chamber), serving 4-year terms, and the 450-member State Duma (lower chamber), of which 225 members are directly elected and 225 members are elected on the basis of proportional representation, serving 4-year terms.

The legal system is based on civil law.

The capital is Moscow.

(CIA Factbook; Statesmen's Yearbook) 21/03

Page 100—Line 4/L; insert after:

Defenders' Day February 24

(Department of State) 21/03

Page 111—Line 7/R; insert after:

U. S. Embassy Russia Home Page
http://moscow.usembassy.gov

(NIMA) 21/03

PUB 195 7 Ed 2002 LAST NM 16/03

Page 5—Line 42/R; read:
Lavensari), equipped with a racon, is shown from a framework tower, 29m high,
(Rus NM 6/03) 21/03

COAST PILOT CORRECTIONS

COAST PILOT 2 32 Ed 2003 Change No. 7 LAST NM 18/03

Page 237—Paragraph 190, lines 6 to 10; read:
mile to a mooring and turning basin. In March 2002, the controlling depths were 0.2 feet in the east half and 6.1 feet in west half of the entrance channel to the mooring basin east of Bullock Point, thence 3.3 to 6 feet in the basin, thence 3.8 feet to the upper basin and 1.3 to 3.9 feet in the basin. The entrance channel is ...

(CL 324/03; BPs 179870-871; 11/03 CG1) 21/03

Page 291—Paragraph 207, lines 7 to 11; read:

buoys to the anchorage basin at **Clinton**. In May 2002, the controlling depths were 5.9 feet in the southwest half and 5.0 feet in the northeast half of the channel to Buoy 12, thence 7.2 feet in the northeast half of the channel to the head of the project, thence depths of 8.0 to 4.9 feet were available ...

(CL 2298/02; BPs 179600-601) 21/03

Page 294—Paragraph 235, lines 5 to 6; read:

private buoys. In March 2001, the controlling depth was 4.3 feet in the entrance channel to Buoy 5, thence 3.0 feet to the head of the project with 2.7 to 4.5 ...

(12/03 CG1; BP 180123; CL 523/03) 21/03

Page 296—Paragraph 267, lines 5 to 16; read:

Avenue Bridge, 0.6 mile above the mouth. In 2002, the controlling depths were 6.2 feet (8.2 feet at midchannel) to the Chapel Street Bridge about 0.25 mile above the entrance, thence 9 feet through the east bridge opening and 6.3 feet through the west bridge opening, thence 6.5 feet to the junction with the east and west forks, thence 1.4 feet at midchannel in the east fork for about 320 yards and 4.9 feet at midchannel in the west fork for about 480 yards, thence in 1980, 1 foot at midchannel in the east fork and 1.5 feet at midchannel in the west fork to the head of the channel.

(CL 2228/02; BP 179579) 21/03

Page 301—Paragraph 330, lines 3 to 6; read:

town wharf, 0.6 mile above Burns Point. In January 1999, the controlling depths were 5 feet in the east half and 8.3 feet in the west half of the entrance channel to the north end of Burns Point, thence in 1991, 6.4 feet (8 feet at midchannel)

COAST PILOT 2 (Continued)

to the basin, thence 8 feet in the anchorage basin along the west side of the ...
(CL 2217/02; BP 179558) 21/03

Page 378—Paragraph 237, lines 4 to 6; read:
2002, the controlling depths were 1.9 feet (3.9 feet at mid-channel) to the breakwater, thence in 1991-June 2002, 2.2 feet at midchannel to the basin, thence in 1983, a reported depth of 6 feet was in the basin.

(09/03 CG1; BP 179744; CL 99/03) 21/03

**COAST PILOT 4 34 Ed 2002 Change No. 26
LAST NM 20/03**

Page 290—Paragraph 42, lines 1 to 2; read:
Prominent features.—St. Augustine Light ($29^{\circ}53'08"N$, $81^{\circ}17'19"W$), 161 feet above the water, is shown from a conical ...
(15/03 CG7; LL/03) 21/03

Page 293—Paragraph 89, line 3; read:
41 feet in East Basin. A Federal project provides for a channel 40 ...
(13/03 CG7; CL 338/03) 21/03

Page 321—Paragraph 159, line 9; read:
($24^{\circ}27'41"N$, $81^{\circ}48'02"W$), or 1 mile N of Key West Northwest ...
(15/03 CG7; LL/03) 21/03

**COAST PILOT 7 34 Ed 2002 Change No. 14
LAST NM 20/03**

Page 452—Paragraph 889; read:
Nihoa ($23^{\circ}05'N$, $161^{\circ}55'W$).
The Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, established by Executive Order 13178 of December 4, 2000, encompasses an area of the marine waters and submerged lands of the Northwestern Hawaiian Islands. The seaward boundary of the reserve is 50 miles from the approximate geographical center of Nihoa Island, Necker Island, French Frigate Shoals, Gardner Pinnacles, Maro Reef, Laysan Island, Lisianski Island, Pearl and Hermes Reef, Midway Atoll, and Kure Atoll and includes all areas of the Hawaiian Islands National Wildlife Refuge and Midway Atoll National Wildlife Refuge. As part of the establishment of the reserve, Executive Order 13178 contains conservation measures that restrict some activities throughout the reserve, and establishes Reserve Preservation Areas around certain islands, atolls, and banks. With certain exceptions, all consumptive uses are restricted within the Reserve Preservation Areas. For additional information, go to <http://hawaiireef.noaa.gov>.

(CL 733/03; FR 12/7/00; FR 1/23/01; NOS 540) 21/03

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CAPE SABLE TO CAPE HATTERAS (Chart 13003)							
820	NOAA Data Lighted Buoy 44005 (ODAS)	42 11 15 N 69 11 00 W	Fl (4) Y 20s			Yellow boat-shaped buoy.	Marked "NOAA" and "44005".
		*				*	21/03
1145	AVERY ROCK LIGHT AR		Fl W 6s	16	6	NR on tower.	
					*		21/03
4175	- By-Pass Channel Buoy 5	44 06 27 N 69 06 06 W				Green can.	
		*					21/03
4915	- LIGHT 21	44 04 11 N 69 10 47 W	Fl W 6s	14	7	SG on white skeleton tower.	
					*		21/03
5565	CAMERON POINT LIGHT 7 On ledge.	43 51 05 N 69 40 06 W	Fl G 4s	24	4	SG on skeleton tower.	
		*			*		21/03
7225	HOUSE ISLAND LIGHT 3	43 39 21 N 70 12 28 W	Fl G 4s	20	4	SG on skeleton tower.	
					*		21/03
7705	COAST GUARD PIERHEAD LIGHT	43 39 00 N 70 15 13 W	Fl Y 4s	18	5	On dolphin.	
		*			*		21/03
9025	- BAR GUIDE LIGHT	42 49 18 N 70 48 42 W	Q W	47	6	NW on skeleton tower worded DANGER ROUGH BAR.	Light flashing: bar condition, two feet breaking seas or greater. Light extinguished for lesser sea conditions; but with no guarantee bar is safe.
					*		21/03
9795	- CHANNEL LIGHT 48	42 36 47 N 70 40 45 W	Fl R 4s	10	3	TR on box on black cylindrical structure.	
		*			*		21/03
12195	- LIGHT 10	42 14 57 N 70 47 01 W	Fl R 4s	16	3	TR on skeleton tower, on cylindrical base.	
		*			*		21/03
12205	- LIGHT 12		Fl R 4s	16	3	TR on skeleton tower, on cylindrical base.	
					*		21/03
12215	- LIGHT 14		Fl R 4s	16	3	TR on skeleton tower, on cylindrical base.	
					*		21/03
12520	- BREAKWATER LIGHT 8	42 04 38 N 70 38 35 W	Fl R 2.5s	4	TR on spindle.		
					*		21/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13860	- LIGHT	41 39 30 N 69 59 04 W	Fl W 6s	42	7	Modular tower.	*
							21/03
	Wychmere Harbor						
14065	- JETTY LIGHT 1	41 39 38 N 70 03 48 W	Fl G 4s	25	4	SG on skeleton tower.	*
							21/03
15810	- LIGHT W At west end of ledge.	41 31 07 N 70 41 01 W	Fl W 2.5s	34	6	NG on skeleton tower worded W.	*
		*			*		21/03
16250	- LIGHT 28	41 44 12 N 70 37 22 W	Fl R 6s	8	4	TR on white skeleton tower.	*
							21/03
20185	STONINGTON INNER BREAKWATER LIGHT 8	41 19 50 N 71 54 34 W	Fl R 4s	27	4	TR on skeleton tower, concrete base.	*
							21/03
*21086	<i>University of Connecticut Eastern Long Island Sound Research Lighted Buoy</i>		Fl Y 6s		3	Yellow.	Maintained from 1 Apr. to 1 Oct. Private aid.
							21/03
21267	- University of Connecticut Stratford Research Buoy					Yellow.	
		*		*			21/03
*21336	<i>University of Connecticut Western Long Island Sound Research Lighted Buoy</i>		Fl Y 6s		3	Yellow.	Maintained from 1 Apr. to 1 Oct. Private aid.
							21/03
22595	- LIGHT 22	41 19 52 N 72 21 00 W	Fl R 4s	27	4	TR on skeleton tower, red base.	*
		*			*		21/03
22890	- LIGHT 36	41 24 00 N 72 25 12 W	Fl R 4s	15	3	TR on skeleton tower on concrete base.	*
							21/03
22895	- Buoy 37 25 feet outside channel limit.	41 29 50 N 72 31 23 W			3	Green can.	*
		*			*		21/03
23230	GLASTONBURY BAR LIGHT	41 40 32 N 72 36 26 W	Q W	36	5	NR on skeleton tower.	*
		*			*		21/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
DUCK ISLAND TO MADISON REEF (Chart 12374)							
Duck Island Roads							
23395	DUCK ISLAND NORTH BREAKWATER LIGHT	41 15 37 N 72 28 30 W	Fl W 4s	22	6	NR on skeleton tower.	
				*			21/03
23400	DUCK ISLAND WEST BREAKWATER LIGHT 2DI	41 15 23 N 72 29 07 W	Fl R 4s	25	4	TR on skeleton tower.	
				*			21/03
24205	NEW HAVEN LONG WHARF LIGHT	41 17 34 N 72 54 55 W	Fl G 4s	19	4	NG on skeleton tower.	
		*		*			21/03
Stamford East Branch							
25270	- CHANNEL LIGHT 1	41 02 07 N 73 32 10 W	Fl G 4s	28	4	SG on skeleton tower.	
		*		*			21/03
26135	PORT JEFFERSON EAST BREAKWATER LIGHT	40 58 20 N 73 05 30 W	Fl W 4s	35	6	NG on skeleton tower.	
				*			21/03
26145	PORT JEFFERSON WEST BREAKWATER LIGHT 2A	40 58 14 N 73 05 36 W	Fl R 4s	26	4	TR on skeleton tower.	
				*			21/03
27065	GLEN COVE BREAKWATER LIGHT 5	40 51 42 N 73 39 36 W	Fl G 4s	24	5	SG on skeleton tower.	
				*			21/03
27110	BAR BEACH LIGHT 11	40 49 55 N 73 39 11 W	Fl G 4s	26	5	SG on skeleton tower.	
				*			21/03
*27301	<i>East River FDR Roadway Lighted Buoy 2FDR</i>		Fl R 3s	3	Red.	Private aid.	
							21/03
*27304	<i>East River FDR Roadway Lighted Buoy 8FDR</i>		Fl R 3s	3	Red.	Private aid.	
							21/03
29042	- BREAKWATER LIGHT 2	40 50 18 N 72 28 29 W	Fl R 2.5s	36	5	TR on tower.	
		*		*			21/03
29725	BROWN POINT WEST BREAKWATER LIGHT 1	40 43 19 N 73 04 11 W	Fl G 4s	18	5	SG on pile.	
				*			21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30585	QUANTUCK CANAL LIGHT 12 On edge of marsh.	40 48 50 N 72 35 06 W	Q R	14	3	TR on pile.	Maintained from Apr. 15 to Nov. 1.
		*		*			21/03
*37286	-Lighted Buoy 9A		Fl G 2.5s		4	Green.	
							21/03
WAPPINGER CREEK TO HUDSON RIVER (Chart 12347)							
Hudson River							
Rondout Creek							
<i>Daybeacons maintained from Apr. 1 to Dec. 1.</i>							
38185	- LIGHT 1	41 55 10 N 73 57 45 W	Fl G 4s	25	4	SG on skeleton tower.	
				*			21/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
963	- Buoy 12A						Remove from list.
							*
							21/03
18355	HALLOWING POINT LIGHT	38 38 04 N 77 07 45 W	Fl W 4s	20	6	NG on pile.	
		*					21/03
20190	Broad Creek Entrance Daybeacon 2	39 04 38 N 76 28 39 W				TR on pile.	
		*					21/03
23775	- CHANNEL LIGHT 15A		Fl G 4s	15	4	SG on pile.	
					*		21/03
29260	- LIGHT 32		Fl R 4s	15	3	TR on pile.	
				*			21/03
29341	- CHANNEL RANGE REAR PASSING LIGHT		Fl W 2.5s	20	3	On same structure as Beaufort Inlet Channel Range Rear Light.	Marks corner of platform nearest channel.
				*			21/03
29385	- CHANNEL LIGHT 16		Q R	15	4	TR on pile.	Ra ref.
					*		21/03
29400	FORT MACON REACH RANGE REAR LIGHT 225 yards, 340° from front light.		Iso W 6s	45		On skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
					*		21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BEAUFORT INLET AND SOUTHERN CORE SOUND (Chart 11545)							
Beaufort Inlet							
29405	Shackleford Banks Rock Jetty Buoy 2					Red nun.	
	*						21/03
*29411	- Channel Buoy 1					Green can.	
							21/03
*29413	- Channel Buoy 3					Green can.	
							21/03
29430	- RANGE FRONT LIGHT	34 41 30 N Q W 76 39 43 W		18		On skeleton tower.	Lighted throughout 24 hours.
	*						21/03
29450	FORT MACON CREEK WARNING LIGHT	34 42 00 N Fl Y 2.5s 76 41 00 W		15	3	NW on pile.	
					*		21/03
30307	- Buoy 10						Remove from list.
							*
							21/03
31095	- Bouy 11					Green can.	
							21/03
31105	- Buoy 12A						Remove from list.
							*
							21/03
31110	- Buoy 13						Remove from list.
							*
							21/03
32475	INNER MIDDLE GROUND LIGHT M		Fl W 4s	15	5	NB on multi-pile structure.	
					*		21/03
32560	- WARNING LIGHT M	35 12 57 N Fl W 2.5s 76 23 24 W		15	5	NW on multi-pile structure worded DANGER BOMBING RANGE.	
	*						21/03
32600	- Warning Daybeacon U					NW on pile worded DANGER BOMBING RANGE.	
					*		21/03
32625	- Warning Daybeacon Z					NW on multi-pile structure worded DANGER BOMBING RANGE.	
					*		21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Wright Creek							
32865	- LIGHT 2WC	35 25 01 N 76 35 10 W	Fl R 2.5s	15	4	TR on pile.	
	*						21/03
33115	- LIGHT 4	35 21 27 N 76 40 36 W	Fl R 4s	15	3	TR on multi-pile structure.	
	*			*			21/03
Pamlico River							
33210	- LIGHT 3	35 33 19 N 76 38 44 W	Fl G 4s	15	4	SG on multi-pile structure.	Ra ref.
	*						21/03
33255	- LIGHT 4		Fl R 6s	15	5	TR on pile.	Ra ref.
					*		21/03
33295	- LIGHT 5		Fl G 4s	15	5	SG on pile.	Ra ref.
				*			21/03
33350	- CHANNEL LIGHT 14 25 feet outside channel limit.		Fl R 2.5s	15	3	TR on multi-pile structure.	
					*		21/03
33415	- LIGHT 5		Fl G 4s	15	4	SG on multi-pile structure.	
		*		*	*		21/03
33530	MILE MARKER LIGHT	35 02 08 N 76 24 15 W	Fl Y 6s	15	5	On multi-pile structure.	Maintained by U.S. Marine Corps.
	*				*		*
							21/03
Neuse River							
33625	- LIGHT 6		Fl R 4s	15	4	TR-TY on multi-pile structure.	Ra ref.
38280				*	*		
							21/03
34325	- LIGHT 2CS	35 00 16 N 76 12 10 W	Fl R 4s	15	3	TR on pile.	
	*			*			21/03
34345	- CHANNEL LIGHT 5 25 feet outside channel limit.	34 59 21 N 76 12 21 W	Fl G 2.5s	17	3	SG on multi-pile structure.	
					*		21/03
34370	- LIGHT 11		Fl G 6s	15	4	SG on pile.	
					*		21/03
34389.3	- Buoy 24					Remove from list.	
						*	21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
35565	- Buoy 138	39 29 55 N 74 22 20 W				Red nun with yellow triangle.	
		*					21/03
38280 33625	- LIGHT 6		Fl R 4s	15	4	TR-TY on multi-pile structure. Ra ref.	
				*	*		21/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1335 21460	BIG SARASOTA LIGHT	27 15 34 N 82 33 46 W	Fl W 4s	16	5	NW on pile worded DANGER DANGEROUS INLET.	
		*	*	*	*	*	21/03
	*Delete Heading: *Big Sarasota Pass						
21460 1335	- LIGHT 1						<i>Remove from list.</i>
							*
							21/03
	*Add Heading: *Big Sarasota Pass						
21465	- Shoal Daybeacon A	27 15 58 N 82 33 53 W				NW on pile worded DANGER SHOAL.	
		*	*		*	*	21/03
21473	- Shoal Daybeacon B	27 16 21 N 82 34 14 W				NW on pile worded DANGER SHOAL.	
		*			*	*	21/03
21475	- Buoy 3A						<i>Remove from list.</i>
							*
21477	- Buoy 3B						<i>Remove from list.</i>
							*
21490	- Shoal Daybeacon C	27 16 44 N 82 34 15 W				NW on pile worded DANGER SHOAL.	
		*	*	*	*	*	21/03
21495	- Shoal Daybeacon D	27 16 58 N 82 34 04 W				NW on pile worded DANGER DANGEROUS INLET.	
		*	*		*	*	21/03
31715	PUERTO FERRO LIGHT						<i>Remove from list.</i>
							*
	*40515.1 - Inlet Harbor Buoy 2A					Red nun.	
							21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*695	Shell Lighted Mooring Buoy A	28 09 21 N 90 43 23 W	Q W	10		White with blue bands.	Private aid.
							21/03
1300 25785	COLORADO RIVER EAST JETTY ENTRANCE LIGHT 2	28 35 24 N 95 58 48 W	Fl R 2.5s	20	4	TR on skeleton tower.	
				*	*		21/03
PENSACOLA BAY (Chart 11383)							
Pensacola Bay							
4175	- RANGE FRONT LIGHT	30 24 26 N 87 11 36 W	Fl W 2.5s (Day) Fl G 2.5s (Night) Fl G 2.5s	18 15 21	4	On skeleton tower on piles.	DAY: Visible 2° each side of range line. NIGHT: Visible all around, higher intensity 2° each side of range line.
				*			21/03
Mobile Channel							
5105	- LOWER REACH OUTER RANGE FRONT LIGHT	30 14 09 N 88 02 30 W	Fl W 2.5s (Day) Fl W 2.5s (Night) Fl W 2.5s	22 20 24	5	Platform on pile.	DAY: Visible on range line only. NIGHT: Visible all around, higher intensity on range line.
				*			21/03
5260	- LOWER REACH RANGE FRONT LIGHT	30 26 24 N 88 00 44 W	Q W	26 28	6	KGR on skeleton tower on piles.	Visible all around; higher intensity 2° each side of range line.
				*	*		21/03
5263	- LOWER REACH RANGE FRONT PASSING LIGHT						Remove from list.
							*
							21/03
*9079.07	MISSISSIPPI GULF FISHING BANKS BREAKWATER LIGHT A	30 16 15 N 89 18 49 W	Fl Y 2.5s	7		NY on pile.	Marks breakwater. Private aid.
							21/03
22850	- ENTRANCE INNER RANGE FRONT LIGHT	29 22 40 N 94 48 43 W	Q G Q G	25 27	4	KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
				*	*	*	21/03
22880	LOWER GALVESTON BAY OUTER RANGE FRONT LIGHT	29 20 53 N 94 47 31 W	Fl W 2.5s (Day) Fl G 2.5s (Night) Fl G 2.5s	42 39 45	4	On piles.	DAY: Visible 2° each side of range line. NIGHT: Visible all around, higher intensity on range line.
				*	*	*	21/03
Houston Ship Channel							
23825	LOWER RED LIGHT BEND INBOUND RANGE FRONT LIGHT	29 42 08 N 95 01 01 W	Q G	19		KRW on skeleton tower on piles.	Visible all around, higher intensity on rangeline.
				*	*	*	*
							21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
25785 1300	COLORADO RIVER EAST JETTY ENTRANCE LIGHT 2	28 35 24 N 95 58 48 W	Fl R 2.5s	20	4	TR on skeleton tower.	*

21/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1240	NORTH HEAD LIGHT	54 13 16 N 165 58 47 W	Fl W 6s	60	6	NR on monopole.	Obscured from 257° to 054°.
8255	SAMOA CHANNEL LIGHT 4	40 48 50 N 124 10 48 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*				*	21/03
8260	SAMOA CHANNEL LIGHT 6	40 49 01 N 124 10 29 W	Fl R 2.5s	15	3	TR on pile.	
		*	*	*	*	*	21/03
8610	- ENTRANCE RANGE FRONT LIGHT	42 02 53 N 124 16 05 W	Q R	40		KRB on skeleton tower.	Visible 4° each side of rangeline.
		*				*	21/03
8615	- ENTRANCE RANGE REAR LIGHT 277 yards, 030° from front light.		Iso R 6s	59		KRB on skeleton tower.	Visible 4° each side of rangeline.
						*	21/03
19520	- Traffic Lane Lighted Buoy C	48 40 33 N 122 42 49 W	Fl Y 4s	6	Yellow.		RACON: N (- •).
		*		*			21/03

Hetta Inlet

24365	EEK POINT LIGHT	55 08 17 N 132 40 01 W	Fl W 2.5s	19	6	NR on square frame.	Obscured from 103° to 237°.
		*					21/03
24978	ALEUTSKI CHANNEL LIGHT 2	57 02 47 N 135 20 26 W	Fl R 4s	20	3	TR on pile.	
		*	*	*	*		21/03

Pribilof Islands

27825	ST. GEORGE HARBOR RANGE FRONT LIGHT	56 34 13 N 169 40 03 W	Q Y	42		KRW on tower.	
		*					21/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Kawaihae Bay							
Puako Small Boat Harbor							
28220	- LIGHT	19 58 26 N 155 49 53 W	Oc G 5.5s	30		On power pole. Flood light for launching ramp also on power pole.	Private aid. 21/03
*							
*28667	Lono Harbor Range Front Daybeacon	21 05 13 N 157 14 59 W				KWR on post.	Private aid. 21/03
*28668	Lono Harbor Range Rear Daybeacon	21 05 14 N 157 15 00 W				KWR on post.	Private aid. 21/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Portage Lake							
18415	- NORTH PIERHEAD LIGHT	44 21 36 N 86 16 06 W	Fl G 4s	37 11	5 20	White cylindrical tower with green band.	HORN: 1 blast ev 15s (2s bl). Operates from Apr. 1 to Nov. 1. 21/03
*							
Prairie Harbor							
20412	- ENTRANCE NORTH PIER LIGHT 2	42 29 35 N 87 48 04 W	Fl R 2.5s	21 6		TR on pole.	Private aid. 21/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14844 - Port du Moule. J 5722		16° 19.9' N 61° 20.6' W	Q.W.R. period 5s	39 12	W. 9 R. 6	White pylon, green top, on hut;	R. 110°-202°, W.-312°, R.-340°.
			*				21/03
*18999.2 - No. "33".		31° 53.0' S 52° 09.0' W	Fl.R. period 5s		2		21/03
*18999.25 - No. "32".		31° 52.1' S 52° 09.6' W	Fl.G. period 5s		2		21/03
*18999.67 - No. "69".		31° 43.4' S 52° 00.0' W	Fl.R. period 5s		2		21/03
*18999.91 - No. "83".		31° 41.7' S 51° 55.8' W	Fl.R. period 5s		2		21/03
*18999.97 - No. "82".		31° 41.3' S 51° 55.3' W	Fl.G. period 5s		5		21/03
*18999.99 - No. "80".		31° 41.6' S 51° 55.9' W	Fl.G. period 5s		2		21/03
*19258 - Real San Carlos Radio G 0755 Antenna.		34° 26.4' S 57° 51.5' W	Fl.W.R. period 5s	384 117	W. 25 R. 15		21/03
19368 - La Toma. G 0871		34° 49.1' S 57° 53.7' W	Iso.W. period 2s		6	Water intake tower.	
		*	*				21/03

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1578 -Punta Coronel. G 1668.6		41° 47.8' S 73° 28.4' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	7	PORT (B) G, fiberglass tower; 18.	Visible 005°-056°. Radar reflector.
			*				21/03
1580 -Puerto Chacao Nuevo, ferry G 1668 pier, head.		41° 49.7' S 73° 30.9' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	26 8	7	Green fiberglass tower; 13.	Visible 162°-273°.
		*	*				21/03
1584 -Bahia Pargua, ferry pier, head. G 1669		41° 47.6' S 73° 27.6' W	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	33 10	8	Green iron post; 8.	
		*	*	*			21/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11776 <i>G 5761</i>	Hanner Island.	54° 03.3' N 130° 15.2' W	F.I.R. period 4s fl. 0.5s, ec. 3.5s	19 6		White round tower, red band.	
			*	*			*
							21/03
11856 <i>G 5740.2</i>	-Clio Point.	52° 54.4' N 128° 42.5' W	F.I.W. period 6s fl. 0.5s, ec. 5.5s	22 7	6	Square skeleton tower.	
				*			21/03
12072 <i>G 5700</i>	-Dryad Point.	52° 11.1' N 128° 06.6' W	Oc.W.R. period 5s lt. 4s, ec. 1s	38 12	8	White square tower; 28.	W. 142°30'-206°30', R.-339°, W.-039°30'. Horn (2): 1 bl. ev. 20s. Horns point N. and S.
				*	*		21/03
12276 <i>G 5647.4</i>	-Tribune Rock.	50° 51.5' N 127° 34.0' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	22 7	5	White round tower, green band.	
				*			21/03
12296 <i>G 5635</i>	-Hardy Bay Inner.	50° 43.1' N 127° 29.0' W	Q.R.	15 5		Mast, red and white triangular daymark.	
				*			21/03
13284 <i>G 5493.5</i>	-Colliery Range, front.	49° 09.9' N 123° 55.8' W	Iso.G. period 1.5s	48 15	17	Triangular skeleton tower, red daymark, white stripe.	
				*			21/03
13288 <i>G 5493.51</i>	--Rear, 106.7 meters 254°08' from front.	49° 09.9' N 123° 55.9' W	Iso.G. period 2s	78 24	18	Triangular skeleton tower, red daymark, white stripe.	
				*			21/03
13316 <i>G 5486.4</i>	Breakwater Island.	49° 07.8' N 123° 40.9' W	F.I.R. period 4s fl. 0.5s, ec. 3.5s	20 6		Mast.	
			*		*		21/03
13324 <i>G 5486.44</i>	Gabriola Passage, E.	49° 07.5' N 123° 41.2' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	17 5	5	White round tower, green band.	
			*	*			21/03
13416 <i>G 5394.4</i>	-Virago Rock.	49° 00.8' N 123° 35.5' W	Q.W.R.	22 7	5	White round structure, green band.	R. 024°-229°, W. elsewhere. Radar reflector.
				*			21/03
13472 <i>G 5371</i>	Ganges Harbor.	48° 50.2' N 123° 27.2' W	F.I.R. period 4s fl. 0.5s, ec. 3.5s	27 8	5	White round tower, red band.	
				*			21/03
13476 <i>G 5372</i>	-Grace Islet.	48° 51.1' N 123° 29.5' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	28 8	5	White round tower, green band.	
				*			21/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13488 <i>G 5362</i>	-Mary Anne Point.	48° 51.7' N 123° 18.8' W	Q.W.	25 8	7	White round tower, green band. Radar reflector.	*
							21/03
13496 <i>G 5364</i>	-Helen Point.	48° 51.4' N 123° 20.7' W	Q.W.	23 7	7	White round tower, red band.	*
							21/03
13500 <i>G 5367</i>	Enterprise Reef.	48° 50.7' N 123° 20.9' W	Q.R. F.W.R.W.	19 6 11 3	5 9	White round tower, red band. Same structure.	Radar reflector. W. 107°30'-110°, R.-121°, W.- 123°30'.
							*
							21/03
13524 <i>G 5354</i>	Canoe Rock.	48° 44.0' N 123° 20.4' W	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 6	6	White round tower, red band.	*
							21/03
13576 <i>G 5345.3</i>	Goudge Island.	48° 41.3' N 123° 23.8' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	19 6	6	White round tower.	Radar reflector.
							*
							21/03
14495 <i>G 3595.4</i>	Muelle Naval, W. side.						Remove from list.
							*
							21/03
14497 <i>G 3595.5</i>	Muelle Naval, E. side.						Remove from list.
							*
							21/03
14636.5 <i>G 3565.58</i>	Islote El Pardito.	24° 51.0' N 110° 36.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	25 8	11	Metal tower; 25.	*
							21/03
							*
14979	-Tourist mole.	23° 11.3' N 106° 25.0' W	Fl.G. period 3s fl. 0.5s, ec. 2.5s	30 9	6	Green round metal column; 20.	*
							21/03
15344.1 <i>G 3404.1</i>	-Rear, 30 meters 270° from front.						Remove from list.
							*
							21/03
15350 <i>G 3404</i>	El Gancho Range, front.	14° 33.1' N 92° 15.0' W	Fl.W. period 3s fl. 1s, ec. 2s	69 21	14	White round concrete tower; 59.	*
							21/03
*	*	*	*	*	*	*	

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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15351 -Rear. <i>G 3404.1</i>		14° 33.2' N 92° 14.8' W	Iso.W. period 2s	82 25	15	White round concrete tower; 79.	
*	*	*	*	*	*	*	21/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*790.5 -W. beacon. <i>F 6744.2</i>		42° 30.9' N 140° 46.1' E	Fl.(2)W. period 5s	33 10	6	ISOLATED DANGER BRB, beacon, topmark.	
*							21/03
*5522 Harada. <i>F 6297</i>		34° 42.4' N 138° 58.8' E	Fl.G. period 4s	30 9	3	White tower; 16.	
*							21/03
*8542 Tayudo Saki, breakwater. <i>F 5475.7</i>		34° 14.3' N 133° 05.9' E	Fl.G. period 4s	26 8	3	White tower; 16.	
*							21/03
*10885 -W. breakwater. <i>F 4857</i>		31° 26.8' N 131° 11.8' E	Fl.(2)R. period 6s	49 15	6	Red tower; 32.	
*							21/03
12520 -Tusima Hitoe Ko. <i>F 5056.9</i>		34° 31.8' N 129° 27.2' E	Fl.G. period 3s	39 12	6	White tower; 28.	
*	*	*	*	*	*	*	
*							21/03
12884 - -Breakwater, W. head. <i>F 5005</i>		32° 37.4' N 128° 46.4' E	Fl.G. period 3s	28 9	6	White quadrangular concrete structure; 21.	
*		*		*	*		
*							21/03
16636 - -Outer Harbor, N. breakwater, <i>F 4411</i> head.	36° 01.6' N 129° 25.9' E	Fl.R. period 6s		66 20	13	Red octagonal concrete tower; 49.	
*	*	*		*			
*							21/03

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4080 Cabo Trafalgar, AVIATION <i>D 2406</i> LIGHT.		36° 10.9' N 6° 02.1' W	Fl.(2+1)W. period 15s fl. 0.4s, ec. 1.8s fl. 0.4s, ec. 6s fl. 0.4s, ec. 6s	167 51	22	White round tower; 112.	
*	*						21/03
*4367.1 -New contradike, SW. corner. <i>E 0065.5</i>		36° 42.1' N 4° 25.6' W	O.(6)W.+L.FI. period 15s		3	S. CARDINAL YB, tower, topmark; 13.	
*							21/03
*4367.2 - -E. end. <i>E 0065.7</i>		36° 42.1' N 4° 25.1' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s		5	Red truncated round tower; 16.	
*							21/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4389 <i>E 0071.2</i>	-Dique de Pontiente, head.	36° 42.9' N 4° 20.8' W	Iso.R. period 2s	23 7	3	Masonry tower, red top; 13.	
			*				21/03
ISOLE EOLIE:							
9824 <i>E 1786</i>	-Isola Vulcano, S. end of island, on Punta dei Porci.	38° 22.0' N 14° 59.5' E	Fl.(4)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	115 35	16	White tower on two-story building; 102.	Visible 251°-093°. Reserve light range 12M.
			*		*		*
9836 <i>E 1792</i>	-Marina Corta.	38° 27.7' N 14° 57.5' E	Fl.(3)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 11	15	Round stone tower; 8.	Reserve light range; 11M.
			*	*	*		*
15032 <i>E 4073.5</i>	-Naples (Greece), on pier head.						Remove from list.
							*
16980 <i>E 4848</i>	-Kumkale Burnu, S. side of entrance.	40° 00.4' N 26° 11.9' E	Fl.(2)W. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	39 12	18	White stone tower; 13.	
			*		*		21/03

CORRECTIONS TO PUB 113, RADIODEACONS, 2002 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
380	Cabo Trafalgar Light Station						Remove from list.
							*
							21/03

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*9931 <i>B 0867.2</i>	-"MH8".	52° 57.9' N 4° 47.4' E	Iso.R. period 8s			Red pile.	
							21/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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VISBY:

9792 -N. breakwater. C 7236.5	57° 38.1' N Q.R. 18° 16.2' E	30 9	9 White tower, green band; 20. Floodlit.	*	*	Remove from list.	21/03
11260 Norra Kvarken, Gasflotten C 5858	Fishing Range, front.			*	*	Remove from list.	21/03
11264 -Rear, 150 meters 325° from C 5858.1 front.				*	*	Remove from list.	21/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

NM 21/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 21/03

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20, 21/03	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	NOS MISCELLANEOUS PUBLICATIONS NOSPBCATALOG1	2000	20/00*
Region 2	2002	1*,8,15,17,20,21/03	SDPUB147	2001	35/01*:21,22,23, 24/02	NOSPBCATALOG2	2000	34/00*
Region 3	2002	1/03*	SDPUB148	2001	48/01*:23,24/02	NOSPBCATALOG3	2000	28/00*
Region 4	2002	1/03*	SDPUB153	2000	6/01*:28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15/03	NOSPBCATALOG4	2000	34/00*
Region 5	2002	1*,3,5,8/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14, 19/03	ALMANACS AIRALMANAC301	2003	44/02*
Region 6	2002	1*,10,11,13,16,19, 20,21/03	SDPUB155	2001	31*,48/01;10,45, 46/02	NAUTALMANAC03	2003	44/02*
Region 7	2002	1*,11,15/03	SDPUB158	2000	50/00*:5,10,12,13, 15,17,20,24/01; 46/02	COAST PILOT NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02;3, 9,10,18,20/03
Region 8	2002	1*,14/03	SDPUB159	2002	42*,48/02	NOSPBCP2	32	17*,18,21/03
Region 9	2002	1/03*	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21/03	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18,20/03
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOSPBCP4	34	49*,51/02;12,14,18, 20,21/03
NIMA LIST OF LIGHTS LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21/03	SDPUB162	2001	51/01*:5,12/03	NOSPBCP5	30	2*,6,10,12,14,18, 20/03
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10, 12,15,16,17,18,19, 20,21/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13/03	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6,18, 20/03
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21/03	SDPUB164	2000	30/00*:31,35,36/01; 8/03	NOSPBCP7	34	1*,3,10,18,20,21/03
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19,20, 21/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02;9, 18/03
LLPUB114	2003	17*,19,21/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20/03	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6,9,10, 14,18,20/03
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19, 20/03	SDPUB173	2002	50*,51/02;3/03	RADIO NAVIGATIONAL AIDS RAPUB117	2002	50/02*;13/03
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6,7,8,9,10,11,12, 13,16,17,18,19,20, 21/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	AMERICAN PRACTICAL NAVIGATOR NVPUB9	2002	36/02*;14/03
SAILING DIRECTIONS CDPUBSD125	2003	19/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02	INTERNATIONAL CODE OF SIGNALS CDPUBNV102	2003	20/03*
CDPUBSD131	2002	9/03*	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17, 21/03	WORLD PORT INDEX NVPUB150	2000	50/00*:14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
CDPUBSD146	2002	4/03*	SDPUB181	2002	38*,39/02	DISTANCES BETWEEN PORTS NVPUB151	2001	4/02*
CDPUBSD157	2003	17/03*	SDPUB182	2001	8*,10,12,41/02; 17/03	RADAR NAVIGATION AND MANEUVERING BOARD MANUAL CDPUBNV1310	2001	51/01*
CDPUBSD194	2002	6*,8,15,17/03	SDPUB183	2001	27/01*:13,15,16/02; 18/03	SIGHT REDUCTION TABLES (MARINE) SRPUB229V1	1970	11/71*
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21/03	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12,15, 18/03	SRPUB229V2	1970	11/71*
SDPUB123	2001	45*,47,48,49/01;1,14, 17,18,19/02	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00*4, 14,17,21,22,23,25, 26,28,30,31,32/01;	SRPUB229V3	1970	7/71*
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02	SDPUB193	2000	11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;4,5,6,7,8, 13/03	SRPUB229V4	1970	3/71*
SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB195	2002	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19, 20/03	SRPUB229V5	1970	3/71*
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5/03	SDPUB200	2002	28,52/02;4,5,6,7,8, 13/03	SRPUB229V6	1970	23/70*
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	USCG LIGHT LIST VOLUMES I - VII COMDTM165021	2003	17*,18,19,20,21/03	SIGHT REDUCTION TABLES (AIR) SRPUB249V1	2000	4/01*
SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21/03	COMDTM165022	2003	17*,18,19,20,21/03	SRPUB249V2	1952	46/52*
SDPUB141	2001	21*,38/01	COMDTM165023	2003	17*,18,19,20,21/03	SRPUB249V3	1952	46/52*
SDPUB142	2000	49/00*:3,31,35/01; 1,15,43/02	COMDTM165024	2003	18*,19,20,21/03	CHART NO. 1 WOBZC1	1997	18/98*
SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	COMDTM165025	2002	16/02*	CHART NO. 4 WOBZC4	1988	N20/89*
			FGPUB940ATL	2003	18*,19,20,21/03			
			FGPUB941PAC	2003	18*,20,21/03			
				2001	N47/01*			
				2001	N22/01*			

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 21/03**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*,52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 21/03

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 081200Z May 2003:

2001 series	219(GEN)	468(GEN)	151(24)	178(11,26)	182(GEN)
393(GEN)	346(GEN)	2003 series	167(24)	180(GEN)	183(GEN)
2002 series	351(11)	108(26,27)	175(11)	181(51)	184(11,25,26)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarter are issued in NM 13/03.

NAVAREA IV WARNINGS issued from 011200Z to 081200Z May 2003.

176/03 and 177/03. CANCELED.

178/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0400Z TO 0359Z COMMENCING DAILY
05 THRU 11 MAY IN AREA BOUND BY
30-45N 080-54W, 30-45N 080-11W,
30-36N 080-11W, 30-33N 080-55W.
 - B. 0400Z TO 0359Z COMMENCING DAILY
05 THRU 11 MAY IN AREA BETWEEN
29-10N 29-20N AND 079-40W 079-50W.
 - C. 1400Z TO 0600Z COMMENCING DAILY
06 THRU 09 MAY IN AREA BETWEEN
30-00N 29-50N AND 081-00W 080-50W.
2. CANCEL THIS MSG 120459Z MAY.

(021440Z MAY 2003)

179/03. CANCELED.

180/03(11).

1. NAVAREA IV MESSAGES IN FORCE 031000Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 151(24), 167(24), 169(11,26), 175(11), 177(11), 178(11,26), 179(14).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA IV 365/02, 172/03, 173/03.

(031010Z MAY 2003)

181/03(51). NORTH ATLANTIC.

1. DERELICT 16 METER VESSEL PARTIALLY SUBMERGED AND ADRIFT VICINITY 31-58.1N 045-46.2W AT 041325Z MAY.
2. CANCEL THIS MSG 12 MAY.

(050014Z MAY 2003)

182/03(11). GPS SATELLITE SYSTEM.

1. PRN 26 UNUSABLE 082100Z TO 090900Z MAY.
2. CANCEL THIS MSG 091000Z MAY.

(051605Z MAY 2003)

183/03(11). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

1. NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY UNUSABLE 081200Z TO 081700Z MAY. FOR URGENT SERVICE CONTACT NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 081800Z MAY.

(060910Z MAY 2003)

184/03(11,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 122157Z TO 122319Z MAY, ALTERNATE 132157Z TO 132319Z MAY IN AREAS BOUND BY:
 - A. 28-38N 080-38W, 28-41N 080-31W,
28-28N 079-15W, 28-24N 079-16W,
28-30N 080-14W, 28-29N 080-34W.
 - B. 24-45N 059-36W, 23-39N 056-03W,
22-43N 056-20W, 23-49N 059-54W.
2. CANCEL THIS MSG 140019Z MAY.

(070950Z MAY 2003)

SECTION III

HYDROLANTS

Messages in force 081200Z May 2003:

2000 series	383(53)	41(37)	563(37)	771(51,52)	886(23,29)
1569(36)	946(53)	65(53)	589(54)	787(56)	891(GEN)
2937(38)	1485(24)	67(37)	604(26,27)	831(24)	893(24)
3762(43)	2027(GEN)	76(54)	633(37)	838(37)	900(GEN)
4265(44)	2203(51)	181(57)	635(51)	854(52,53)	903(36)
2001 series	2354(53)	271(GEN)	642(37,43)	857(53)	907(GEN)
611(44)	2673(GEN)	309(24)	675(37)	863(51)	909(24)
1798(37)	2682(51)	317(37)	713(52)	865(53)	910(24)
2659(GEN)	2808(24)	339(GEN)	722(55)	867(37)	911(55)
2700(37)	2848(37)	390(22)	738(35)	872(53)	912(35)
3161(44)	2869(52)	433(GEN)	741(GEN)	874(36)	914(24)
2002 series	2882(54)	490(51)	744(56)	875(55)	915(53)
245(GEN)	2883(54)	544(55)	749(55)	884(24)	
246(GEN)	2003 series	551(53)	754(37)	885(51)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarter are issued in NM 13/03.

HYDROLANT WARNINGS issued from 011200Z to 081200Z May 2003.

879/03 thru 883/03. CANCELED.

884/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 120400Z MAY
BY M/V TROPICALIENTE TOWING FIVE 6000 METER
LONG CABLES IN AREA BOUND BY
03-09.2S 038-52.0W, 03-11.2S 038-50.4W,
03-07.6S 038-46.1W, 03-05.6S 038-47.8W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 120500Z MAY.

(020540Z MAY 2003)

885/03(51). NORTH ATLANTIC.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 12 MAY
BY M/V METEOR IN AREA BOUND BY
31-00N 012-00W, 28-00N 013-30W,
27-00N 015-00W, 25-00N 017-00W.
2. CANCEL THIS MSG 13 MAY.

(020840Z MAY 2003)

886/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 01 MAY IN:
 - A. A-38A, 22 MILES BY 48 MILES IN 60-42S 052-24W.
 - B. A-38C, SEVEN MILES BY 11 MILES IN 60-12S 047-36W.
 - C. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
 - D. A-43C, 24 MILES BY 41 MILES IN 59-00S 036-12W.
 - E. A-43G, EIGHT MILES BY 49 MILES IN 51-06S 038-00W.
 - F. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
 - G. A-46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
 - H. A-47, NINE MILES BY 14 MILES IN 52-18S 047-36W.
 - I. B-09A, 15 MILES BY 22 MILES IN 51-18S 033-12W.
2. CANCEL HYDROLANT 880/03(35), OPERATIONS CANCELED.
3. CANCEL HYDROLANT 881/03(54,56).
4. CANCEL THIS MSG 09 MAY.

(021545Z MAY 2003)

887/03 thru 890/03. CANCELED.

891/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 031100Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 633(37), 635(51), 642(37,43), 660(52), 675(37), 687(56), 713(52), 722(55), 738(35), 741(GEN), 744(56), 749(55), 750(35), 754(37), 771(51,52), 787(56), 825(53), 830(24), 831(24), 838(37), 840(24), 851(24), 854(52,53), 857(53), 863(51), 865(53), 866(37), 867(37), 870(57), 872(53), 874(36), 875(55), 884(24), 885(51), 886(23,29), 887(14), 889(24), 890(23).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROLANT 864/03.

(031110Z MAY 2003)

SECTION III

892/03. CANCELED.

893/03(24). BRAZIL-NORTH COAST.
 CHART 24250 (5TH ED).
 1. PECEM LIGHT 03-33.0S 038-49.2W UNLIT.
 2. CANCEL HYDROLANT 830/03.

(031321Z MAY 2003)

894/03 thru 899/03. CANCELED.

900/03(GEN). GPS SATELLITE SYSTEM.
 1. PRN 26 UNUSABLE 082100Z TO 090900Z MAY.
 2. CANCEL THIS MSG 091000Z MAY.

(051607Z MAY 2003)

901/03 and 902/03. CANCELED.

903/03(36). ENGLAND-SOUTHWEST COAST.
 CHART 36180 (23RD ED).
 WOLF ROCK LIGHT 49-56.7N 005-48.4W TEMPORARILY REPLACED
 BY WOLF ROCK LIGHTVESSEL, FL W 15 SEC 12 METERS 23 MILES,
 HORN 30 SEC, RACON (T) 10 MILES, IN 49-55.4N 005-48.8W.

(052300Z MAY 2003)

904/03 thru 906/03. CANCELED.

907/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.
 1. NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY
 UNUSABLE 081200Z TO 081700Z MAY. FOR URGENT SERVICE CONTACT
 NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149,
 E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
 2. CANCEL HYDROLANT 906/03(35), OPERATIONS POSTPONED.
 3. CANCEL THIS MSG 081800Z MAY.

(060915Z MAY 2003)

908/03. CANCELED.

909/03(24). BRAZIL-NORTH COAST.
 1. SEISMIC SURVEY IN PROGRESS UNTIL 112359Z MAY
 BY M/V CGG HARMATTAN TOWING FIVE 7408 METER
 LONG CABLES IN AREA BOUND BY
 00-32.0S 043-33.0W, 00-44.0S 043-44.0W,
 01-01.5S 043-24.0W, 00-48.5S 043-12.0W.
 SIX MILE BERTH REQUESTED.
 2. CANCEL HYDROLANT 905/03.
 3. CANCEL THIS MSG 120059Z MAY.

(070620Z MAY 2003)

910/03(24). BRAZIL-NORTHEAST COAST.
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 230200Z MAY
 BY M/V SONNE IN AREA BOUND BY
 05-00S 034-57W, 05-00S 025-00W,
 11-00S 025-00W, 11-00S 035-53W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 230300Z MAY.

(070810Z MAY 2003)

911/03(55). BLACK SEA. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 1000Z TO 1500Z AND 1600Z TO 2200Z
 DAILY 12 THRU 25 MAY IN AREA BOUND BY
 44-23.0N 028-42.5E, 44-27.0N 029-01.0E,
 44-20.0N 029-01.5E, 44-13.0N 028-56.5E.
 2. CANCEL THIS MSG 252300Z MAY.

(071010Z MAY 2003)

912/03(35). SCOTLAND-WEST COAST. MISSILES.
 1. HAZARDOUS OPERATIONS 1200Z TO 1700Z DAILY 08 AND
 09 MAY WITHIN 25 MILES OF 57-30N 008-20W.
 2. CANCEL HYDROLANT 902/03(36), AID RESTORED.
 3. CANCEL THIS MSG 091800Z MAY.

(071545Z MAY 2003)

913/03. CANCELED.

SECTION III

NM 21/03

914/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 102359Z MAY
BY M/V CGG ALIZE TOWING EIGHT 7408 METER
LONG CABLES IN AREA BOUND BY
01-28S 042-41W, 01-38S 042-31W,
02-05S 042-46W, 02-01S 042-56W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 110059Z MAY.

(080810Z MAY 2003)

915/03(53). SICILIA-SOUTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1600Z DAILY
13 AND 14 MAY, ALTERNATE 15 AND 16 MAY
WITHIN SIX MILES OF 36-56N 013-45E.
2. CANCEL HYDROLANT 660/03(52) AND 687/03(56).
3. CANCEL THIS MSG 161700Z MAY.

(080950Z MAY 2003)

SECTION III**NAVAREA XII**

Messages in force 081200Z May 2003:

2001 series	178(GEN)	2003 series	119(GEN)	122(18)
298(GEN)	260(GEN)	111(19)	120(GEN)	
2002 series	339(GEN)	116(GEN)	121(GEN)	

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarter are issued in NM 13/03.

NAVAREA XII WARNINGS issued from 011200Z to 081200Z May 2003.

115/03. CANCELED.

116/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 031000Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 111(19), 115(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA XII 113/03.

(031020Z MAY 2003)

117/03 and 118/03. CANCELED.

119/03(GEN). NORTH PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 090400Z TO 090500Z MAY,
ALTERNATE 0400Z TO 0500Z DAILY
10 THRU 25 MAY IN AREA BOUND BY
24-35N 171-04E, 19-02N 175-45W,
16-36N 176-56W, 22-37N 170-16E.
2. CANCEL THIS MSG 250600Z MAY.

(051150Z MAY 2003)

120/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 26 UNUSABLE 082100Z TO 090900Z MAY.
2. CANCEL THIS MSG 091000Z MAY.

(051610Z MAY 2003)

121/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

1. NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY UNUSABLE 081200Z TO 081700Z MAY. FOR URGENT SERVICE CONTACT NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 081800Z MAY.

(060920Z MAY 2003)

122/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W. TO THE SHORELINE.
C. 33-29N 119-07W. N. 34-24N 120-30W.
D. 33-29N 118-37W. O. 34-08N 120-26W.
E. 33-20N 118-37W. P. 34-08N 119-40W.
F. 32-11N 120-16W. Q. 34-00N 119-40W.
G. 31-54N 121-35W. R. 34-06N 119-13W.
H. 35-09N 123-39W. S. 34-06N 119-11W.
I. 35-29N 123-00W. T. 34-07N 119-10W.
J. 35-04N 122-43W. U. 34-07N 119-07W.
K. 35-57N 121-32W. V. 34-04N 119-04W.
L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.

NM 21/03

SECTION III

4. CANCEL NAVAREA XII 115/03.

(081010Z MAY 2003)

SECTION III

HYDROPACS

Messages in force 081200Z May 2003:

2000 series	2111(62)	514(73)	624(GEN)	731(94,95)	773(81)
597(73)	2191(22)	515(73)	631(22)	732(71)	774(81)
1557(94)	2199(63)	525(73,74)	637(GEN)	734(62)	775(62)
2001 series	2277(GEN)	545(81,97)	638(62)	735(62)	776(61)
1556(71)	2330(62)	549(63)	647(74)	739(95)	777(62)
1647(GEN)	2339(63)	556(62)	649(71,93)	740(61)	779(GEN)
1976(62)	2402(22)	560(63)	663(61)	743(62)	780(GEN)
2002 series	2003 series	562(81)	667(62)	744(29)	786(GEN)
146(62)	74(63)	569(62)	673(81)	752(62)	787(73)
196(61)	100(29)	570(62)	684(62)	755(74)	788(63)
205(GEN)	167(95)	575(81,92)	690(91,93)	757(81)	793(94,95,97)
206(GEN)	197(71)	589(76)	695(73)	760(63)	794(62)
207(93)	207(62)	592(62)	696(76)	761(63)	797(75)
352(73)	215(GEN)	593(62)	705(63)	763(63)	798(74)
403(72,73)	365(63)	600(62)	710(63)	764(29)	800(62)
637(75)	380(71)	601(81)	716(71)	765(63)	
828(62)	445(96)	613(93)	722(63)	766(63)	
1661(GEN)	495(62)	614(61)	728(95)	767(81)	
1765(71)	496(62)	620(GEN)	729(94,95)	769(GEN)	
1843(22)	506(62)	622(62)	730(95)	771(61)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarter are issued in NM 13/03.

HYDROPAC WARNINGS issued from 011200Z to 081200Z May 2003.

758/03 and 759/03. CANCELED.

760/03(63). INDIA-EAST COAST.

CHART 63310 (5TH ED).

RADIOBEACON AT GOPALPUR LIGHT 19-15.3N 084-54.5E DISCONTINUED.

(020910Z MAY 2003)

761/03(63). INDIA. LAKSHADWEEP.

CHART 63150 (1ST ED).

RADIOBEACON AT CHETLAT ISLAND LIGHT 11-41.8N 072-43.1E DISCONTINUED.

(020920Z MAY 2003)

762/03. CANCELED.

763/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 06 AND 09 MAY
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL HYDROPAC 704/03, STATION RESTORED.
3. CANCEL HYDROPAC 727/03(75).
4. CANCEL THIS MSG 091630Z MAY.

(021400Z MAY 2003)

764/03(29). ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 01 MAY IN:
 - A. A-38A, 22 MILES BY 48 MILES IN 60-42S 052-24W.
 - B. A-38B, 22 MILES BY 25 MILES IN 61-12S 051-30W.
 - C. A-38C, SEVEN MILES BY 11 MILES IN 60-12S 047-36W.
 - D. A-38D, TWO MILES BY TEN MILES IN 61-36S 051-54W.
 - E. A-43A, 14 MILES BY 35 MILES IN 67-18S 059-00W.
 - F. A-43C, 24 MILES BY 41 MILES IN 59-00S 036-12W.
 - G. A-43F, 22 MILES BY 44 MILES IN 66-30S 059-48W.
 - H. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
 - I. A-43J, FIVE MILES BY 17 MILES IN 67-30S 060-30W.
 - J. A-48, NINE MILES BY TEN MILES IN 61-48S 052-54W.
 - K. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
 - L. A-50, ONE MILE BY TEN MILES IN 61-54S 052-12W.
 - M. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
 - N. A-52, EIGHT MILES BY 22 MILES IN 65-48S 060-36W.
2. CANCEL THIS MSG 09 MAY.

(021610Z MAY 2003)

SECTION III

765/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 28 JUN
BY M/V C-EXPLORER TOWING FOUR 5000 METER
LONG CABLES IN AREA BOUND BY
18-56.5N 072-20.7E, 18-59.4N 072-28.9E,
18-39.3N 072-36.1E, 18-34.6N 072-20.6E,
18-37.8N 072-19.2E, 18-39.7N 072-25.4E,
18-49.0N 072-20.9E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 547/03.
3. CANCEL THIS MSG 29 JUN.

(021745Z MAY 2003)

766/03(63). ARABIAN SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 25 MAY
BY M/V C-ORION TOWING FOUR 5000 METER
LONG CABLES IN AREA BOUND BY
18-52.9N 071-11.6E, 18-59.0N 071-27.6E,
18-49.2N 071-31.1E, 18-42.8N 071-15.9E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 361/03.
3. CANCEL THIS MSG 26 MAY.

(021857Z MAY 2003)

767/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 17-51N 145-41E
AT 022024Z MAY. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.

(022140Z MAY 2003)

768/03. CANCELED.

769/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 031100Z MAY 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 514(73), 515(73), 525(73,74), 545(81,97), 549(63),
556(62), 560(63), 562(81), 569(62), 570(62), 575(81,92), 589(76),
592(62), 593(62), 600(62), 601(81), 613(93), 614(61), 620(GEN),
622(62), 624(GEN), 631(22), 637(GEN), 638(62), 647(74),
649(71,93), 663(61), 667(62), 673(81), 684(62), 690(91,93),
695(73), 696(76), 705(63), 709(74), 710(63), 716(71), 722(63),
728(95), 729(94,95), 730(95), 731(94,95), 732(71), 734(62),
735(62), 739(95), 740(61), 743(62), 744(29), 752(62), 754(62),
755(74), 757(81), 760(63), 761(63), 762(63), 763(63), 764(29),
765(63), 766(63), 767(81), 768(96,97).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROPAC 2432/02, 268/03, 491/03, 648/03, 750/03.

(031120Z MAY 2003)

770/03. CANCELED.

771/03(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
30-28-19S 032-30-57E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO CAPE TOWN RADIO.

(040843Z MAY 2003)

772/03. CANCELED.

773/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
00-40.5N 143-10.4E AT 040835Z MAY.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.

(041405Z MAY 2003)

774/03(81). NORTH PACIFIC. MARIANA ISLANDS. ORDNANCE.

1. BOMBING EXERCISES IN PROGRESS UNTIL 091359Z MAY
WITHIN TEN MILES OF 16-01N 146-04E.
2. CANCEL THIS MSG 091459Z MAY.

(050720Z MAY 2003)

SECTION III

NM 21/03

775/03(62). RED SEA. SAUDI ARABIA.

1. LORAN-C STATION ASH SHAYKH HAMAYD, RATE 8830-Y,
OFF AIR 0430Z TO 0435Z AND 1230Z TO 1235Z
DAILY 05 THRU 08 MAY.
2. CANCEL THIS MSG 081335Z MAY.

(050740Z MAY 2003)

776/03(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY
22-31S 076-26E AT 050546Z MAY. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO RCC AUSTRALIA, TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(050810Z MAY 2003)

777/03(62). PERSIAN GULF.

1. IMPROVED INFORMATION IN ADMIRALTY CHARTS 1235 (7TH ED)
AND 1238 (3RD ED), BOTH DATED 17 APR 03, IMPLIES
THAT THE CONTROLLING DEPTH FOR THE KHAWR ABD ALLAH
AND UMM QASR IS NOW DRIVEN BY BERTH DEPTHS AT
UMM QASR. THE DEEPEST AVAILABLE BERTH IS PRESENTLY
BERTH 3, WITH A LEAST DEPTH OF 7 METERS. BERTH 3
IS A DRY BULK BERTH ONLY.
2. AS DREDGING PROJECTS AT UMM QASR PROGRESS, THE
CONTROLLING DEPTH FOR PORT ACCESS MAY SHIFT BACK
TO KHAWR ABD ALLAH. AT TIME OF SURVEY, A NAVIGABLE
DEPTH FOR KHAWR ABD ALLAH WAS 9.1 METER.
3. PER THE UPDATED ADMIRALTY CHARTS 1235 AND 1238,
THE LOCATION OF SILTING, SHOALS AND WRECKS IN
THE KHAWR ABD ALLAH WILL PRECLUDE A STANDARD
TRAFFIC SEPARATION SCHEME. LARGE SHIPS WILL
ENCOUNTER CHANNEL SECTIONS IN WHICH MANEUVERING
WILL BE SEVERELY RESTRICTED DUE TO DRAFT.
4. ALL DEPTHS CITED ABOVE ARE TAKEN FROM ADMIRALTY
CHARTS 1235 AND 1238. HYDROPAC 743/03, ADDRESSING
SOUNDING ERRORS OF APPROXIMATELY ONE METER,
REMAINS IN FORCE.

(050840Z MAY 2003)

778/03. CANCELED.

779/03(GEN). NORTH PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 090400Z TO 090500Z MAY,
ALTERNATE 0400Z TO 0500Z DAILY 10 THRU 25 MAY
IN AREAS BOUND BY:
 - A. 31-18N 133-08E, 31-18N 133-23E,
31-09N 133-22E, 31-04N 133-16E,
31-05N 133-01E, 31-13N 133-01E.
 - B. 30-47N 143-35E, 30-33N 145-57E,
29-24N 145-45E, 29-52N 143-26E.
 - C. 24-35N 171-04E, 19-02N 175-45W,
16-36N 176-56W, 22-37N 170-16E.
2. CANCEL THIS MSG 250600Z MAY.

(051120Z MAY 2003)

780/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 26 UNUSABLE 082100Z TO 090900Z MAY.
2. CANCEL THIS MSG 091000Z MAY.

(051612Z MAY 2003)

781/03 thru 785/03. CANCELED.

786/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

1. NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY
UNUSABLE 081200Z TO 081700Z MAY. FOR URGENT SERVICE CONTACT
NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR 301 227 3149,
E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO NIMA NAVSAFETY BETHESDA MD.
2. CANCEL THIS MSG 081800Z MAY.

(060925Z MAY 2003)

787/03(73). PAPUA NEW GUINEA-SOUTH COAST.

CHART 73590 (6TH ED).
HOOD POINT LIGHT 10-06.2S 147-43.6E UNLIT.

(061010Z MAY 2003)

SECTION III

788/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0930Z TO 1200Z DAILY 09 AND 10 MAY
IN AREA BOUND BY 13-51N 074-08E, 14-11N 074-08E,
14-11N 074-19E, 14-01N 074-28E, 13-51N 074-28E.
2. CANCEL THIS MSG 101300Z MAY.

(061040Z MAY 2003)

789/03 thru 792/03. CANCELED.

793/03(94,95,97). EAST CHINA SEA.

1. ACOUSTIC OPERATIONS 0001Z TO 1300Z DAILY:
 - A. 07 MAY IN AREA BOUND BY
26-07N 122-35E, 25-45N 123-02E, 25-41N 122-51E,
25-53N 122-34E, 25-49N 122-21E, 25-55N 122-22E.
 - B. 09 MAY IN AREA BOUND BY
27-23N 124-44E, 27-02N 125-08E,
26-37N 124-40E, 26-58N 124-16E.
 - C. 10 MAY IN AREA BOUND BY
33-25N 124-48E, 33-00N 125-18E,
32-39N 124-51E, 33-05N 124-21E.
 - D. 11 MAY IN AREA BOUND BY
29-57N 126-47E, 29-44N 127-19E,
29-12N 127-00E, 29-24N 126-29E.
 - E. 12 MAY IN AREA BOUND BY
22-38N 119-06E, 22-24N 119-35E, 22-09N 119-01E,
22-15N 118-51E, 22-25N 119-09E, 22-32N 118-57E.
 - F. ALTERNATE 12 MAY IN AREA BOUND BY
33-53N 128-09E, 33-53N 128-17E, 33-34N 128-30E,
33-13N 127-47E, 33-36N 127-31E.
2. CANCEL THIS MSG 121400Z MAY.

(070950Z MAY 2003)

794/03(62). IRAQ. UMM QASR.

REFER HYDROGRAPHIC 752/03.

CHARTS 62434 (9TH ED), 62437 (9TH ED).

1. DELETE BUOY 6 IN 29-59-49N 048-12-48E.
2. DELETE BUOY IN 29-56-36N 048-16-36E.
3. DELETE BUOY IN 30-01-15N 048-11-12E.
4. DELETE BUOY IN 30-01-35N 048-02-36E.
5. DELETE BUOY IN 29-59-54N 047-58-43E.
6. RELOCATE BUOY 28 TO 30-01-55N 048-05-29E.
7. RELOCATE BUOY 29 TO 30-02-10N 048-05-29E.
8. RELOCATE BUOY 31 TO 29-59-51N 048-01-08E.
9. CHANGE DESIGNATION OF BUOY 4 TO 2 IN
29-42-27N 048-40-27E.
10. CHANGE CHARACTERISTIC OF BUOY 14 TO
Q(3) R 15 SEC IN 29-51-28N 048-22-51E.
11. CHANGE CHARACTERISTIC OF BUOY 19 TO
FL(2) G 5 SEC IN 29-55-22N 048-17-51E.
12. CHANGE CHARACTERISTIC OF BUOY 21 TO
FL G 3 SEC IN 29-57-46N 048-15-08E.
13. CHANGE BUOY 8 TO 24, R, CAN, FL(3) R 10 SEC
IN 30-00-38N 048-11-05E.
14. CHANGE CHARACTERISTIC OF BUOY 26 TO
FL R 10 SEC IN 30-01-40N 048-07-20E.
15. CHANGE BUOY B TO 33, G, CONICAL, UNLIT
IN 30-00-08.5N 047-58-41.0E.
16. CHANGE DESIGNATION OF BUOY 33 TO 35 IN
30-00-15.8N 047-58-02.0E.
17. CHANGE CHARACTERISTIC OF BUOY 36 TO
FL(3) R 12 SEC IN 30-00-02N 047-59-02E.
18. CHANGE BUOY A TO 37, G, CONICAL, UNLIT IN
30-00-46N 047-57-40E.
19. ADD BUOY 22, R, CAN, FL(2) 8 SEC IN
29-59-56N 048-12-34E.
20. ADD BUOY 23, G, CONICAL, FL(3) G 15 SEC IN
30-00-07N 048-12-44E.
21. ADD BUOY Y, PILLAR, FL Y IN 29-54-18N 048-18-35E.
22. ADD DESIGNATION 24A TO BUOY IN
30-01-30.0N 048-09-21.0E.
23. BUOYS 5, 9, 10, 11, 13, 15, 16, 17 AND 20
ARE NOW POSITIONED AND SHOWING AS THEY ARE
PORTRAYED ON NIMA CHARTS 62434 AND 62437.
24. CANCEL HYDROGRAPHIC 754/03.

(072219Z MAY 2003)

795/03 and 796/03. CANCELED.

SECTION III

NM 21/03

797/03(75). AUSTRALIA-SOUTHEAST COAST.

CABLE LAYING OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP ILE DE BATZ IN AREA
BOUND BY 40-44.6S 145-19.6E, 39-14.1S 145-36.3E,
38-40.0S 145-42.5E. WIDE BERTH REQUESTED.

(080815Z MAY 2003)

798/03(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V VERITAS SEARCHER TOWING 4.5 MILE LONG CABLE
IN AREA BETWEEN 10-20S 10-50S AND 125-50E 126-30E.
6.5 MILE BERTH REQUESTED.

(080820Z MAY 2003)

799/03. CANCELED.

800/03(62). RED SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0300Z TO 1500Z DAILY
11 THRU 15 MAY IN AREA BOUND BY
25-39.0N 036-01.0E, 25-50.0N 036-31.0E,
24-18.5N 037-31.0E, 24-10.0N 036-50.0E.
2. CANCEL HYDROFAC 799/03(74), VESSEL ASSISTED.
3. CANCEL THIS MSG 151600Z MAY.

(081020Z MAY 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 8 May 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 8 May 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE**

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, provides information for all radionavigation systems. The NIS is staffed 24 hours a day, 7 days a week, providing information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM) and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/gps/default.htm>). In addition, the NIS investigates all reports of degraded or loss of GPS, DGPS or LORAN-C service. Mariners are encouraged to report all degradation of radionavigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil, or on the World Wide Web at <http://www.navcen.uscg.gov>.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

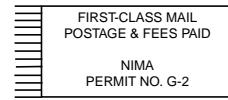
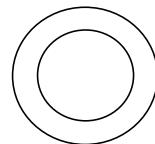
Details of Information Reported (continue on additional sheets as necessary) _____

www.nature.com/scientificreports/

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Digitized by srujanika@gmail.com

If observed, Date _____ Time (Local) _____

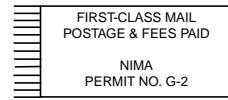
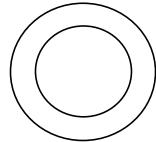
Verified by Navigator: Yes No

Bounding(s) corrected for draft: Yes _____ No _____

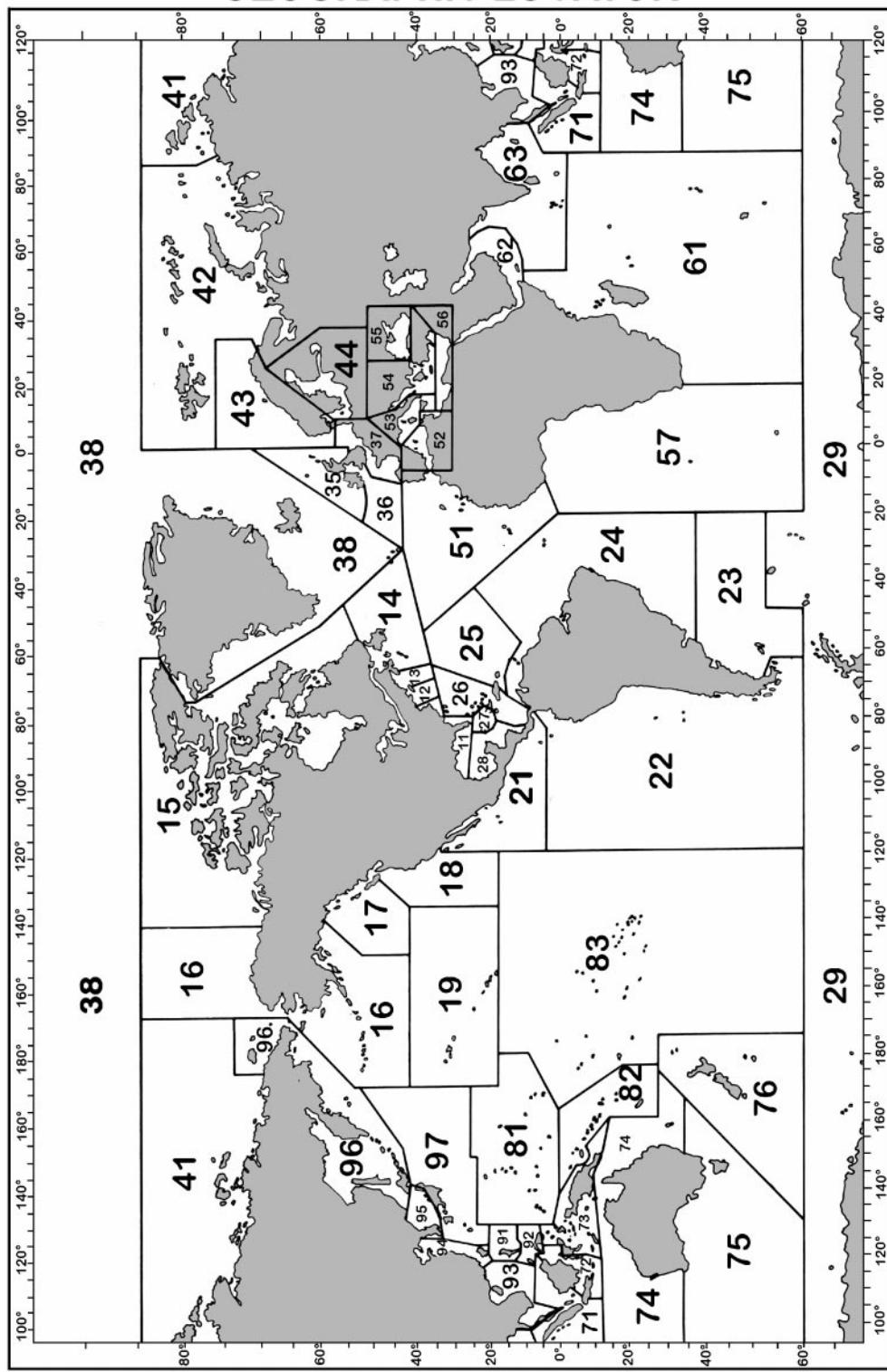
Details of Information Reported (continue on additional sheets as necessary). _____



**MARITIME SAFETY INFORMATION DIVISION
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BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

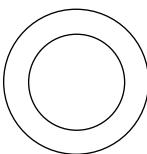
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY